

Securities Act 1997.

Section 117(2)(a).

Form 5.**NOTICE CESSATION OF SUBSTANTIAL SHAREHOLDING.**

Note: To be given to the company, the stock exchange on which it is listed and the Securities Commission by a person who ceases to be a substantial shareholder. This form must be given within two days after the person becomes aware that they are a substantial shareholder. Use a separate form for each person that has ceased to be a substantial shareholder. Use a Form 4 where there is a change in relevant interest held by a substantial shareholder.

1. Name of listed company.

OIL SEARCH LIMITED

Note: Insert the name of the listed company in which the substantial shareholding was held.

2. Name of stock exchange.

Port Moresby Stock Exchange

Note: Insert the name of the stock exchange on which the company is listed.

3. Details of person that was a substantial shareholder.

Given names (natural persons only)	Surname or corporate name and registration number, if applicable	Residential address or address of registered office	Postal address
N/A	BlackRock, Inc.	55 East 52 nd Street New York, NY 10055 USA	55 East 52 nd Street New York, NY 10055 USA

4. Date substantial shareholding ceased.

15 August 2019

Note: Insert the date that the relevant interest of the person named at Item 3 in the listed company at Item 1 was disposed of or ceased, not the date on which the person became aware of the change.

5. Date of last notice given by substantial shareholder

19 March 2019

Note: Insert the date on which the person named in Item 3 last gave a notice in accordance with Section 115, 116, or 117 of the Act in relation to the voting shares i.e. a Form 3, 4, or 5.

6. Voting shares in which a relevant interest was held.

Number of Shares	% of shares in company
77,254,986	5.07%

Note: Insert the number and percentage of voting shares in which the person had a relevant interest prior to the date at Item 4. The terms "voting shares" and "relevant interest" are defined in Sections 112 - 114 of the Act.

7. Total number of voting shares issued by the listed company.

1,523,631,192

Note: Insert the total number of voting shares issued by the listed company used for the purpose of calculating the percentage at Item 5.

8. Particulars of relevant interests that were held.

	Details for class of shares	Details for class of shares
Class of voting shares in which relevant interest held.	Ordinary	
Name(s) of registered holder(s).	Please see "Registered Holder of Securities" in Annexure	
Brief description of the nature of the relevant interest in the voting shares.	Interest held through controlled companies which are investment managers with investment discretion and control of voting rights in relation to the relevant voting shares.	
Brief description of the transaction under which the relevant interests were disposed of or ceased e.g. sale on stock exchange.	Collateral transaction decreasing holding below 5%	
Number of voting shares affected by the transaction.	99,375	
The consideration for the transaction (Kina).	N/A	
Name of the other party to the transaction (if known). *	In specie transaction - collateral transfer	

**This information is not required where the transaction took place on a stock exchange. Otherwise, if not known, insert "unknown".*

Note: Where there is insufficient space on the form to supply the information required, use additional forms or annex a separate sheet in the same format containing the information.

9. Details of other person(s) giving a notice for the same transaction.

Given names (natural persons only)	Surname or corporate name and registration number, if applicable	Residential address or address of registered office	Postal address
Not applicable	BlackRock Inc.	55 East 52nd Street New York NY 10055 USA	Same as registered office
Not applicable	BlackRock (Netherlands) B.V.	Rembrandt Tower, 17th floor Amstelplein Amsterdam Netherlands	Same as registered office
Not applicable	BlackRock Advisors (UK) Limited	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom	Same as registered office
Not applicable	BlackRock Advisors, LLC	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States	Same as registered office
Not applicable	BlackRock Asset Management Canada Limited	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada	Same as registered office
Not applicable	BlackRock Asset Management North Asia Limited	15/F, 16/F, 17/F Citibank Tower & 17/F ICBC Tower, 3 Garden Road, Central, Hong Kong	Same as registered office
Not applicable	BlackRock Financial Management, Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States	Same as registered office
Not applicable	BlackRock Fund Advisors	400 Howard Street San Francisco, CA, 94105 United States	Same as registered office
Not applicable	BlackRock Institutional Trust Company, National Association	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)	Same as registered office

Not applicable	BlackRock International Limited	Exchange Place One, 1 Semple Street, Edinburgh, EH3 8BL, United Kingdom (Scotland, United Kingdom)	Same as registered office
Not applicable	BlackRock Investment Management (Australia) Limited	Level 26, 101 Collins Street Melbourne VIC 3000 Australia (Victoria, Australia)	Same as registered office
Not applicable	BlackRock Investment Management (UK) Limited	12 Throgmorton Avenue London EC2N 2DL United Kingdom	Same as registered office
Not applicable	BlackRock Investment Management, LLC	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States	Same as registered office
Not applicable	BlackRock Japan Co., Ltd.	Marunouchi Trust Tower Main, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-8217 (Japan)	Same as registered office

Note: If known, insert the name and address of any other person(s) believed to have given, or to be intending to give, notice, whether a Form 3, 4 or 5, in relation to the transaction to which this notice relates. If not known, insert, "unknown".

10. Prescribed particulars of any agreement under which substantial shareholding ceased

Date of any agreement	Material terms of any agreement (whether written or oral)
Not applicable	Not applicable

Note: Provide the details of the material terms of any agreement, whether written or oral, and the details of the material terms of any relevant agreement through which a relevant interest, the subject of the notice, was disposed of or ceased. True copies of the documents must be submitted with this form.

11. The following documents must be submitted with this form—

- A. A true copy of any document setting out the material terms of any agreement that —
- (a) contributed to the person having to submit this form;
 - (b) is in writing or in a document in which the material terms of an oral agreement have been reduced to writing in accordance with Section 40(5)(c) of the Regulation; and

- (c) is readily available to the person submitting the notice; or
- B. Where a document in Paragraph A is not readily available to the person submitting this form, a memorandum in writing detailing the material terms of the document.

The number of pages that accompany, or are annexed to, this notice is 25.

12. Declaration.

I declare that to the best of my knowledge and belief the information in this form is true and correct.

Signature: 

Full Name of Person Signing: Spencer Fleming

Role: Managing Director Date: 19 August 2019

Note: Where this notice is given by a body corporate it must be signed by a director or secretary who is authorised by the board of the body corporate to give the notice. Initials are not sufficient for the full name of the person signing this form.

This Annexure is 25 pages

OIL SEARCH LIMITED (OSH)						
Date of Change	Person whose relevant interest changed	Nature of change / Consideration given in relation to change	Class and number of securities affected	Person's votes affected		
20-Mar-19	BlackRock Investment Management, LLC	on mkt buy	18.84	ORD	2,079	2,079
20-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt buy	18.88	ORD	715	715
20-Mar-19	BlackRock Investment Management (Australia) Limited	on mkt buy	18.88	ORD	59,697	59,697
20-Mar-19	BlackRock Investment Management (Australia) Limited	on mkt buy	18.88	ORD	58,965	58,965
20-Mar-19	BlackRock Investment Management (Australia) Limited	on mkt buy	18.88	ORD	113,489	113,489
20-Mar-19	BlackRock Advisors (UK) Limited	on mkt buy	18.89	ORD	3,165	3,165
20-Mar-19	BlackRock Advisors (UK) Limited	on mkt buy	18.86	ORD	1,778	1,778
20-Mar-19	BlackRock Fund Advisors	in specie	n/a	ORD	-54,768	-54,768
20-Mar-19	BlackRock Fund Advisors	in specie	n/a	ORD	41,480	41,480
20-Mar-19	BlackRock Fund Advisors	in specie	n/a	ORD	-5,971	-5,971
20-Mar-19	BlackRock Fund Advisors	in specie	n/a	ORD	-2,764	-2,764
20-Mar-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD	-19,010	-19,010
20-Mar-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	-12	-12
20-Mar-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-766,771	-766,771
21-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt buy	19.11	ORD	424	424
21-Mar-19	BlackRock Investment Management (Australia) Limited	on mkt buy	19.11	ORD	100,681	100,681
21-Mar-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	19.11	ORD	21,521	21,521
21-Mar-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	19.11	ORD	7,323	7,323
21-Mar-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	18.97	ORD	404	404
21-Mar-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	19.11	ORD	16,032	16,032
21-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt buy	19.11	ORD	18,083	18,083
21-Mar-19	BlackRock Advisors (UK) Limited	on mkt buy	19.19	ORD	2,277	2,277
21-Mar-19	BlackRock Advisors (UK) Limited	on mkt buy	19.19	ORD	1,452	1,452
21-Mar-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	-39	-39
21-Mar-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	70,388	70,388
22-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt buy	19.43	ORD	208	208
22-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt buy	19.43	ORD	3,356	3,356
22-Mar-19	BlackRock Advisors (UK) Limited	on mkt buy	19.32	ORD	2,520	2,520
22-Mar-19	BlackRock Advisors (UK) Limited	on mkt buy	19.43	ORD	1,011	1,011
22-Mar-19	BlackRock Fund Advisors	in specie	n/a	ORD	-15,648	-15,648
22-Mar-19	BlackRock Fund Advisors	in specie	n/a	ORD	-5,971	-5,971
22-Mar-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-500,820	-500,820
25-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt buy	18.86	ORD	377	377
25-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt buy	18.86	ORD	1,030	1,030

Date of Change	Person whose relevant interest changed	Nature of change / Consideration given in relation to change		Class and number of securities affected	Person's votes affected
25-Mar-19	BlackRock Investment Management (UK) Limited	on mkt sell	18.91	ORD -30,600	-30,600
25-Mar-19	BlackRock Advisors (UK) Limited	on mkt buy	18.79	ORD 9,480	9,480
25-Mar-19	BlackRock Advisors (UK) Limited	on mkt buy	18.79	ORD 565	565
25-Mar-19	BlackRock Fund Advisors	in specie	n/a	ORD 37,332	37,332
25-Mar-19	BlackRock Fund Advisors	in specie	n/a	ORD 13,481	13,481
25-Mar-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 524,570	524,570
26-Mar-19	BlackRock Advisors, LLC	on mkt buy	18.81	ORD 300	300
26-Mar-19	BlackRock Advisors, LLC	on mkt buy	18.81	ORD 600	600
26-Mar-19	BlackRock Japan Co., Ltd.	on mkt buy	18.66	ORD 1,757	1,757
26-Mar-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	18.66	ORD 11,196	11,196
26-Mar-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	18.66	ORD 3,740	3,740
26-Mar-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	18.66	ORD 6,468	6,468
26-Mar-19	BlackRock Advisors (UK) Limited	on mkt sell	18.69	ORD -12,099	-12,099
26-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt sell	18.69	ORD -8,939	-8,939
26-Mar-19	BlackRock (Netherlands) B.V.	on mkt buy	18.69	ORD 2,288	2,288
26-Mar-19	BlackRock Fund Advisors	on mkt buy	18.69	ORD 11,378	11,378
26-Mar-19	BlackRock Fund Advisors	in specie	n/a	ORD -30,404	-30,404
26-Mar-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -659,001	-659,001
26-Mar-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD 910,999	910,999
27-Mar-19	BlackRock Investment Management (Australia) Limited	on mkt buy	18.60	ORD 100,182	100,182
27-Mar-19	BlackRock Investment Management (Australia) Limited	on mkt buy	18.60	ORD 38,752	38,752
27-Mar-19	BlackRock Investment Management (Australia) Limited	on mkt buy	18.60	ORD 79,352	79,352
27-Mar-19	BlackRock Advisors (UK) Limited	on mkt sell	18.55	ORD -20,180	-20,180
27-Mar-19	BlackRock Advisors (UK) Limited	on mkt buy	18.55	ORD 1,128	1,128
27-Mar-19	BlackRock Advisors (UK) Limited	on mkt sell	18.55	ORD -8,072	-8,072
27-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt sell	18.55	ORD -6,509	-6,509
27-Mar-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD -7,382	-7,382
27-Mar-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD 7,382	7,382
27-Mar-19	BlackRock Fund Advisors	in specie	n/a	ORD -6,134	-6,134
27-Mar-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 4	4
27-Mar-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD 0	0
28-Mar-19	BlackRock Investment Management (Australia) Limited	on mkt buy	18.48	ORD 18,165	18,165
28-Mar-19	BlackRock Investment Management (UK) Limited	on mkt buy	18.50	ORD 15,920	15,920
28-Mar-19	BlackRock Investment Management (UK) Limited	on mkt sell	18.41	ORD -5,970	-5,970
28-Mar-19	BlackRock Advisors (UK) Limited	on mkt buy	18.49	ORD 9,447	9,447
28-Mar-19	BlackRock Advisors (UK) Limited	on mkt buy	18.56	ORD 3,149	3,149
28-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt buy	18.56	ORD 23,461	23,461
28-Mar-19	BlackRock Advisors (UK) Limited	on mkt buy	18.56	ORD 1,017	1,017
28-Mar-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 1,621,620	1,621,620
28-Mar-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD 710,629	710,629
29-Mar-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	18.50	ORD 5,159	5,159

Date of Change	Person whose relevant interest changed	Nature of change / Consideration given in relation to change		Class and number of securities affected	Person's votes affected
29-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt buy	18.43	ORD 89,247	89,247
29-Mar-19	BlackRock Investment Management (Australia) Limited	on mkt buy	18.43	ORD 22,018	22,018
29-Mar-19	BlackRock Investment Management (UK) Limited	on mkt sell	18.43	ORD -68,787	-68,787
29-Mar-19	BlackRock Fund Advisors	in specie	n/a	ORD 7,060	7,060
29-Mar-19	BlackRock Fund Advisors	in specie	n/a	ORD -5,528	-5,528
29-Mar-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -1,621,624	-1,621,624
29-Mar-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD -1,621,628	-1,621,628
01-Apr-19	BlackRock Advisors (UK) Limited	on mkt sell	18.62	ORD -59,000	-59,000
01-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	18.62	ORD 3,124	3,124
01-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	18.62	ORD 6,248	6,248
01-Apr-19	BlackRock Advisors (UK) Limited	on mkt sell	18.62	ORD -15,860	-15,860
01-Apr-19	BlackRock Investment Management (UK) Limited	on mkt buy	18.62	ORD 59,000	59,000
01-Apr-19	BlackRock Advisors (UK) Limited	on mkt sell	18.62	ORD -1,720	-1,720
01-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	18.62	ORD 63,030	63,030
01-Apr-19	BlackRock (Netherlands) B.V.	on mkt buy	18.62	ORD 769	769
01-Apr-19	BlackRock Fund Advisors	on mkt buy	18.62	ORD 12,575	12,575
01-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	18.62	ORD 23,125	23,125
01-Apr-19	BlackRock Investment Management (UK) Limited	on mkt buy	18.62	ORD 16,988	16,988
01-Apr-19	BlackRock Fund Advisors	on mkt buy	18.62	ORD 9,791	9,791
01-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD -8,292	-8,292
01-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 1,637,071	1,637,071
02-Apr-19	BlackRock Japan Co., Ltd.	on mkt buy	18.92	ORD 1,845	1,845
02-Apr-19	BlackRock Japan Co., Ltd.	on mkt buy	18.92	ORD 2,063	2,063
02-Apr-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	18.92	ORD 11,527	11,527
02-Apr-19	BlackRock Fund Advisors	on mkt buy	18.72	ORD 7,285	7,285
02-Apr-19	BlackRock Investment Management, LLC	on mkt buy	18.92	ORD 6,606	6,606
02-Apr-19	BlackRock Investment Management (UK) Limited	on mkt buy	18.92	ORD 6,533	6,533
02-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	18.89	ORD 3,163	3,163
02-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	18.89	ORD 3,126	3,126
02-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt sell	18.89	ORD -37,028	-37,028
02-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	18.89	ORD 1,132	1,132
02-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	18.89	ORD 3,765	3,765
02-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD 3,530	3,530
02-Apr-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -86,051	-86,051
02-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -1,036,344	-1,036,344
03-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	19.00	ORD 70,286	70,286
03-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	18.99	ORD 45,887	45,887
03-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	19.01	ORD 131,904	131,904
03-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	18.97	ORD 7,615	7,615
03-Apr-19	BlackRock Advisors (UK) Limited	on mkt sell	18.97	ORD -27,936	-27,936
03-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	18.97	ORD 762	762

Date of Change	Person whose relevant interest changed	Nature of change / Consideration given in relation to change		Class and number of securities affected	Person's votes affected
03-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	18.97	ORD 11,696	11,696
03-Apr-19	BlackRock Investment Management (UK) Limited	on mkt buy	18.97	ORD 6,600	6,600
03-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	18.97	ORD 5,491	5,491
03-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD -15,648	-15,648
03-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD 18,507	18,507
03-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD -2,800	-2,800
03-Apr-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -16,484	-16,484
03-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 980,496	980,496
04-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	18.65	ORD 12,184	12,184
04-Apr-19	BlackRock Advisors (UK) Limited	on mkt sell	18.65	ORD -80,580	-80,580
04-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	18.65	ORD 6,574	6,574
04-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	18.65	ORD 5,882	5,882
04-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	18.65	ORD 6,308	6,308
04-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -1,630,100	-1,630,100
05-Apr-19	BlackRock Investment Management, LLC	on mkt buy	18.88	ORD 2,168	2,168
05-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	18.56	ORD 510	510
05-Apr-19	BlackRock Advisors (UK) Limited	on mkt sell	18.56	ORD -505	-505
05-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD -86,064	-86,064
05-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD -15,648	-15,648
05-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD 18,507	18,507
05-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD 24,676	24,676
05-Apr-19	BlackRock Asset Management Canada Limited	in specie	n/a	ORD 30,433	30,433
05-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -27,383	-27,383
08-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	18.76	ORD 9,354	9,354
08-Apr-19	BlackRock Advisors (UK) Limited	on mkt sell	18.76	ORD -4,028	-4,028
08-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD 4,236	4,236
08-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD -43,032	-43,032
08-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD 36,295	36,295
08-Apr-19	BlackRock Advisors, LLC	collateral transfer	n/a	ORD 0	0
08-Apr-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD 0	0
08-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 1,639,988	1,639,988
08-Apr-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	collateral transfer	n/a	ORD 0	0
08-Apr-19	BlackRock Investment Management, LLC	collateral transfer	n/a	ORD 3	3
08-Apr-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD 1	1
08-Apr-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	ORD 1	1
09-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	19.21	ORD 241	241
09-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	19.21	ORD 27,431	27,431
09-Apr-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	19.21	ORD 8,572	8,572
09-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	19.24	ORD 4,569	4,569
09-Apr-19	BlackRock Asset Management Canada Limited	on mkt buy	19.24	ORD 40,585	40,585
09-Apr-19	BlackRock International Limited	on mkt sell	19.24	ORD -19,081	-19,081

Date of Change	Person whose relevant interest changed	Nature of change / Consideration given in relation to change		Class and number of securities affected	Person's votes affected	
09-Apr-19	BlackRock Advisors, LLC	collateral transfer	n/a	ORD	0	0
09-Apr-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	0	0
09-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-811,293	-811,293
09-Apr-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	collateral transfer	n/a	ORD	0	0
09-Apr-19	BlackRock Investment Management, LLC	collateral transfer	n/a	ORD	-3	-3
09-Apr-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	-1	-1
09-Apr-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	ORD	-1	-1
10-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	19.10	ORD	456	456
10-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	19.09	ORD	23,007	23,007
10-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	19.10	ORD	34,471	34,471
10-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	19.10	ORD	94,782	94,782
10-Apr-19	BlackRock Advisors, LLC	on mkt sell	19.18	ORD	-6,393	-6,393
10-Apr-19	BlackRock Investment Management (UK) Limited	on mkt sell	19.11	ORD	-37,850	-37,850
10-Apr-19	BlackRock Advisors (UK) Limited	on mkt sell	19.09	ORD	-12,516	-12,516
10-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	19.09	ORD	12,090	12,090
10-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD	-14,000	-14,000
10-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	45,197	45,197
11-Apr-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	18.98	ORD	-3,432	-3,432
11-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	18.98	ORD	44,295	44,295
11-Apr-19	BlackRock Advisors, LLC	on mkt buy	18.98	ORD	19,241	19,241
11-Apr-19	BlackRock Advisors, LLC	on mkt buy	19.21	ORD	19,000	19,000
11-Apr-19	BlackRock Advisors (UK) Limited	on mkt sell	18.98	ORD	-1,006	-1,006
11-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	18.98	ORD	4,157	4,157
11-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt sell	18.98	ORD	-1,418	-1,418
11-Apr-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	19.21	ORD	586	586
11-Apr-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	18.98	ORD	7,702	7,702
11-Apr-19	BlackRock International Limited	on mkt sell	18.98	ORD	-2,685	-2,685
11-Apr-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	18.98	ORD	-5,126	-5,126
11-Apr-19	BlackRock Investment Management, LLC	on mkt sell	18.98	ORD	-12,938	-12,938
11-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt sell	18.98	ORD	-890	-890
11-Apr-19	BlackRock Advisors (UK) Limited	on mkt sell	18.91	ORD	-3,124	-3,124
11-Apr-19	BlackRock Advisors (UK) Limited	on mkt sell	18.91	ORD	-339	-339
11-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD	10,879	10,879
11-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD	30,845	30,845
11-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD	54,395	54,395
11-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-37,800	-37,800
12-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	19.00	ORD	1,079	1,079
12-Apr-19	BlackRock Advisors (UK) Limited	on mkt sell	18.96	ORD	-4,028	-4,028
12-Apr-19	BlackRock Fund Advisors	on mkt buy	18.96	ORD	19,538	19,538
12-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	18.96	ORD	22,780	22,780
12-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD	30,073	30,073

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12-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD -35,208	-35,208
12-Apr-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD 189,228	189,228
12-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -1,192,814	-1,192,814
15-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	19.22	ORD 9,964	9,964
15-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	19.21	ORD 8,997	8,997
15-Apr-19	BlackRock Advisors (UK) Limited	on mkt sell	19.21	ORD -6,246	-6,246
15-Apr-19	BlackRock Advisors (UK) Limited	on mkt sell	19.21	ORD -12,084	-12,084
15-Apr-19	BlackRock Advisors (UK) Limited	on mkt sell	19.21	ORD -1,290	-1,290
15-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	19.21	ORD 27,970	27,970
15-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD 21,758	21,758
15-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD -2,800	-2,800
15-Apr-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD -16,984	-16,984
15-Apr-19	BlackRock Investment Management (UK) Limited	in specie	n/a	ORD 6,393	6,393
15-Apr-19	BlackRock Investment Management (UK) Limited	in specie	n/a	ORD -6,393	-6,393
15-Apr-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD 255,804	255,804
15-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 11,436	11,436
15-Apr-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD 149,535	149,535
16-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	19.11	ORD 3,989	3,989
16-Apr-19	BlackRock Japan Co., Ltd.	on mkt buy	19.11	ORD 3,024	3,024
16-Apr-19	BlackRock Japan Co., Ltd.	on mkt buy	19.11	ORD 3,435	3,435
16-Apr-19	BlackRock Advisors, LLC	on mkt buy	19.22	ORD 4,654	4,654
16-Apr-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	19.11	ORD 24,221	24,221
16-Apr-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	19.11	ORD 8,130	8,130
16-Apr-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	19.22	ORD 1,095	1,095
16-Apr-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	19.11	ORD 15,117	15,117
16-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	19.11	ORD 21,780	21,780
16-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	19.10	ORD 16,120	16,120
16-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD 41,480	41,480
16-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD 10,879	10,879
16-Apr-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -148,232	-148,232
16-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -11,435	-11,435
16-Apr-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD -149,534	-149,534
17-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	19.18	ORD 2,975	2,975
17-Apr-19	BlackRock Advisors, LLC	on mkt sell	19.19	ORD -1,437	-1,437
17-Apr-19	BlackRock Investment Management (UK) Limited	on mkt sell	19.19	ORD -32,877	-32,877
17-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	19.16	ORD 30,653	30,653
17-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	19.16	ORD 6,290	6,290
17-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	19.14	ORD 14,970	14,970
17-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	19.14	ORD 5,988	5,988
17-Apr-19	BlackRock Advisors (UK) Limited	on mkt sell	19.14	ORD -1,287	-1,287
17-Apr-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -199,079	-199,079

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17-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 2 2
17-Apr-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD -1 -1
18-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	19.13	ORD 1,586 1,586
18-Apr-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	19.13	ORD 24,748 24,748
18-Apr-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	19.13	ORD 7,178 7,178
18-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	19.13	ORD 20,525 20,525
18-Apr-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	19.13	ORD -5,161 -5,161
18-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	19.13	ORD 11,090 11,090
18-Apr-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	19.13	ORD -3,242 -3,242
18-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 1,043,584 1,043,584
19-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -2 -2
22-Apr-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -97,721 -97,721
22-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -11,801 -11,801
23-Apr-19	BlackRock Investment Management (Australia) Limited	in specie	n/a	ORD 322,901 322,901
23-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt sell	19.33	ORD -5,804 -5,804
23-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	19.32	ORD 6,687 6,687
23-Apr-19	BlackRock Fund Advisors	on mkt buy	19.32	ORD 11,355 11,355
23-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD 7,060 7,060
23-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -818,958 -818,958
24-Apr-19	BlackRock Investment Management (Australia) Limited	in specie	n/a	ORD 81,242 81,242
24-Apr-19	BlackRock Investment Management (UK) Limited	on mkt buy	19.29	ORD 31,693 31,693
24-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	19.07	ORD 12,168 12,168
24-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	19.07	ORD 1,524 1,524
24-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	19.07	ORD 1,270 1,270
24-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	19.07	ORD 1,270 1,270
24-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	19.07	ORD 12,814 12,814
24-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	19.07	ORD 11,349 11,349
24-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD 4,589 4,589
24-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD 43,596 43,596
24-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -144,540 -144,540
24-Apr-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD 144,537 144,537
25-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -60,068 -60,068
25-Apr-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD -144,537 -144,537
26-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt sell	18.85	ORD -35,220 -35,220
26-Apr-19	BlackRock Investment Management, LLC	on mkt sell	19.06	ORD -23,393 -23,393
26-Apr-19	BlackRock Investment Management, LLC	on mkt sell	18.85	ORD -17,776 -17,776
26-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	18.80	ORD 9,003 9,003
26-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	18.80	ORD 1,792 1,792
26-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	18.80	ORD 2,304 2,304
26-Apr-19	BlackRock Asset Management Canada Limited	on mkt buy	18.80	ORD 4,075 4,075
26-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt sell	18.80	ORD -4,433 -4,433

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26-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt sell	18.80	ORD	-7,436	-7,436
26-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD	33,216	33,216
26-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD	-12,416	-12,416
26-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	158,344	158,344
29-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-17,702	-17,702
29-Apr-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	972,761	972,761
30-Apr-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	18.12	ORD	-11,299	-11,299
30-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt sell	18.11	ORD	-27,877	-27,877
30-Apr-19	BlackRock Advisors, LLC	on mkt sell	18.12	ORD	-42,587	-42,587
30-Apr-19	BlackRock Advisors (UK) Limited	on mkt sell	18.12	ORD	-3,201	-3,201
30-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt sell	18.12	ORD	-6,015	-6,015
30-Apr-19	BlackRock Advisors, LLC	on mkt sell	18.12	ORD	-13,016	-13,016
30-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt sell	18.12	ORD	-3,507	-3,507
30-Apr-19	BlackRock International Limited	on mkt sell	18.12	ORD	-7,678	-7,678
30-Apr-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	18.12	ORD	-32,775	-32,775
30-Apr-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	18.12	ORD	-3,416	-3,416
30-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt sell	18.12	ORD	-2,625	-2,625
30-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	18.10	ORD	6,084	6,084
30-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	18.10	ORD	4,028	4,028
30-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	18.10	ORD	9,003	9,003
30-Apr-19	BlackRock Advisors, LLC	on mkt sell	18.10	ORD	-5,566	-5,566
30-Apr-19	BlackRock Advisors (UK) Limited	on mkt sell	18.10	ORD	-15,266	-15,266
30-Apr-19	BlackRock Fund Advisors	in specie	n/a	ORD	6,208	6,208
30-Apr-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD	10,655	10,655
30-Apr-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	855,161	855,161
30-Apr-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	-708,366	-708,366
01-May-19	BlackRock Advisors, LLC	on mkt buy	18.18	ORD	2,150	2,150
01-May-19	BlackRock Advisors (UK) Limited	on mkt buy	18.13	ORD	1,536	1,536
01-May-19	BlackRock Investment Management (Australia) Limited	on mkt buy	18.13	ORD	17,634	17,634
01-May-19	BlackRock Fund Advisors	in specie	n/a	ORD	68,288	68,288
01-May-19	BlackRock Fund Advisors	in specie	n/a	ORD	-14,000	-14,000
01-May-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	202,748	202,748
01-May-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-148,860	-148,860
01-May-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	116	116
02-May-19	BlackRock Advisors (UK) Limited	on mkt buy	17.83	ORD	67,042	67,042
02-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	17.83	ORD	-8,620	-8,620
02-May-19	BlackRock Fund Advisors	in specie	n/a	ORD	-8,400	-8,400
02-May-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	-148,367	-148,367
02-May-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-15,600	-15,600
02-May-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	141,333	141,333
03-May-19	BlackRock Asset Management North Asia Limited	on mkt buy	17.60	ORD	19,709	19,709

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03-May-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -54,381	-54,381
03-May-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 141,080	141,080
03-May-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD -141,055	-141,055
06-May-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 279,110	279,110
06-May-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD -264,629	-264,629
07-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	17.29	ORD -20,700	-20,700
07-May-19	BlackRock Advisors (UK) Limited	on mkt sell	17.19	ORD -62,888	-62,888
07-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	17.19	ORD 68,904	68,904
07-May-19	BlackRock Investment Management, LLC	on mkt sell	17.19	ORD -2,148	-2,148
07-May-19	BlackRock Fund Advisors	in specie	n/a	ORD 7,336	7,336
07-May-19	BlackRock Fund Advisors	in specie	n/a	ORD 12,576	12,576
07-May-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -130,729	-130,729
07-May-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD -160	-160
08-May-19	BlackRock Advisors, LLC	on mkt buy	16.95	ORD 4,050	4,050
08-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.95	ORD 1,300	1,300
08-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.13	ORD 7,569	7,569
08-May-19	BlackRock Advisors, LLC	on mkt sell	17.12	ORD -25,349	-25,349
08-May-19	BlackRock Advisors (UK) Limited	on mkt sell	17.12	ORD -1,342	-1,342
08-May-19	BlackRock Advisors, LLC	on mkt sell	17.12	ORD -5,023	-5,023
08-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	17.12	ORD -3,723	-3,723
08-May-19	BlackRock International Limited	on mkt sell	17.12	ORD -7,480	-7,480
08-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	17.12	ORD -32,918	-32,918
08-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	17.12	ORD -8,941	-8,941
08-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	17.12	ORD -4,464	-4,464
08-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	17.15	ORD -6,226	-6,226
08-May-19	BlackRock Advisors (UK) Limited	on mkt sell	17.18	ORD -2,675	-2,675
08-May-19	BlackRock Advisors (UK) Limited	on mkt buy	17.18	ORD 189	189
08-May-19	BlackRock Advisors (UK) Limited	on mkt buy	17.18	ORD 9,042	9,042
08-May-19	BlackRock Advisors (UK) Limited	on mkt buy	17.18	ORD 1,792	1,792
08-May-19	BlackRock Advisors (UK) Limited	on mkt buy	17.18	ORD 1,316	1,316
08-May-19	BlackRock Advisors (UK) Limited	on mkt sell	17.18	ORD -11,805	-11,805
08-May-19	BlackRock Fund Advisors	in specie	n/a	ORD 9,423	9,423
08-May-19	BlackRock Fund Advisors	in specie	n/a	ORD 18,624	18,624
08-May-19	BlackRock Fund Advisors	in specie	n/a	ORD -2,800	-2,800
08-May-19	BlackRock Fund Advisors	in specie	n/a	ORD -16,800	-16,800
08-May-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -1,000,715	-1,000,715
09-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	17.41	ORD -15,693	-15,693
09-May-19	BlackRock Investment Management (Australia) Limited	on mkt buy	17.41	ORD 6,038	6,038
09-May-19	BlackRock Fund Advisors	in specie	n/a	ORD 24,832	24,832
09-May-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD 497,242	497,242
09-May-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -128,307	-128,307

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10-May-19	BlackRock Advisors (UK) Limited	on mkt sell	17.47	ORD	-1,136	-1,136
10-May-19	BlackRock Advisors (UK) Limited	on mkt sell	17.47	ORD	-11,274	-11,274
10-May-19	BlackRock Advisors (UK) Limited	on mkt sell	17.47	ORD	-1,736	-1,736
10-May-19	BlackRock Fund Advisors	in specie	n/a	ORD	43,456	43,456
10-May-19	BlackRock Fund Advisors	in specie	n/a	ORD	18,624	18,624
10-May-19	BlackRock Fund Advisors	in specie	n/a	ORD	3,837	3,837
10-May-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	-497,242	-497,242
13-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	17.20	ORD	1,829	1,829
13-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.21	ORD	997	997
13-May-19	BlackRock Advisors (UK) Limited	on mkt buy	17.26	ORD	18,055	18,055
13-May-19	BlackRock Fund Advisors	in specie	n/a	ORD	12,576	12,576
13-May-19	BlackRock Asset Management Canada Limited	on mkt buy	17.11	ORD	1,051	1,051
13-May-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	2,903	2,903
14-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.93	ORD	891	891
14-May-19	BlackRock Japan Co., Ltd.	on mkt buy	16.93	ORD	1,912	1,912
14-May-19	BlackRock Japan Co., Ltd.	on mkt buy	16.93	ORD	2,023	2,023
14-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.93	ORD	23,059	23,059
14-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.93	ORD	8,594	8,594
14-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.93	ORD	20,997	20,997
14-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	16.92	ORD	-27,894	-27,894
14-May-19	BlackRock Advisors (UK) Limited	on mkt sell	16.91	ORD	-6,242	-6,242
14-May-19	BlackRock Advisors (UK) Limited	on mkt sell	16.91	ORD	-2,190	-2,190
14-May-19	BlackRock Advisors (UK) Limited	on mkt sell	16.91	ORD	-2,190	-2,190
14-May-19	BlackRock Fund Advisors	in specie	n/a	ORD	3,883	3,883
14-May-19	BlackRock Fund Advisors	in specie	n/a	ORD	6,133	6,133
14-May-19	BlackRock Fund Advisors	in specie	n/a	ORD	18,624	18,624
15-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	17.15	ORD	488	488
15-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	17.09	ORD	-18,092	-18,092
15-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	17.09	ORD	-42,858	-42,858
15-May-19	BlackRock Advisors (UK) Limited	on mkt sell	17.06	ORD	-4,028	-4,028
15-May-19	BlackRock Fund Advisors	in specie	n/a	ORD	15,705	15,705
15-May-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	-36	-36
15-May-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	222,285	222,285
16-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	17.32	ORD	-43,856	-43,856
16-May-19	BlackRock Advisors (UK) Limited	on mkt buy	17.40	ORD	6,040	6,040
16-May-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	-690	-690
16-May-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	737,694	737,694
17-May-19	BlackRock Investment Management (UK) Limited	on mkt sell	17.58	ORD	-111,400	-111,400
17-May-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	-2,177	-2,177
17-May-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	1,427,477	1,427,477
20-May-19	BlackRock Advisors (UK) Limited	on mkt buy	17.55	ORD	564	564

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20-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	17.55	ORD -5,442	-5,442
20-May-19	BlackRock (Netherlands) B.V.	in specie	n/a	ORD 185,378	185,378
20-May-19	BlackRock (Netherlands) B.V.	in specie	n/a	ORD -185,378	-185,378
20-May-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -2,137,867	-2,137,867
21-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	17.40	ORD -8,700	-8,700
21-May-19	BlackRock Advisors (UK) Limited	on mkt buy	17.44	ORD 3,033	3,033
21-May-19	BlackRock Advisors (UK) Limited	on mkt buy	17.44	ORD 4,028	4,028
21-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	17.44	ORD -38,847	-38,847
21-May-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 1,308,755	1,308,755
22-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	17.48	ORD -8,039	-8,039
22-May-19	BlackRock Advisors, LLC	on mkt sell	17.48	ORD -33,151	-33,151
22-May-19	BlackRock Advisors, LLC	on mkt sell	17.35	ORD -6,250	-6,250
22-May-19	BlackRock Advisors (UK) Limited	on mkt sell	17.48	ORD -2,223	-2,223
22-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	17.48	ORD -6,695	-6,695
22-May-19	BlackRock Advisors, LLC	on mkt sell	17.48	ORD -8,924	-8,924
22-May-19	BlackRock International Limited	on mkt sell	17.48	ORD -2,227	-2,227
22-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	17.48	ORD -3,411	-3,411
22-May-19	BlackRock Investment Management, LLC	on mkt sell	17.48	ORD -3,365	-3,365
22-May-19	BlackRock Advisors (UK) Limited	on mkt buy	17.51	ORD 9,081	9,081
22-May-19	BlackRock Investment Management (UK) Limited	on mkt buy	17.51	ORD 91,692	91,692
22-May-19	BlackRock Investment Management (UK) Limited	on mkt sell	17.51	ORD -91,692	-91,692
22-May-19	BlackRock Fund Advisors	in specie	n/a	ORD 15,795	15,795
22-May-19	BlackRock Fund Advisors	in specie	n/a	ORD 31,590	31,590
22-May-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD -9,296	-9,296
22-May-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD 40,379	40,379
22-May-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD 8,923	8,923
22-May-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 213,239	213,239
22-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	collateral transfer	n/a	ORD 14,159	14,159
22-May-19	BlackRock Investment Management, LLC	collateral transfer	n/a	ORD 94,871	94,871
22-May-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD 42,546	42,546
23-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	17.22	ORD -4,308	-4,308
23-May-19	BlackRock Advisors (UK) Limited	on mkt buy	17.22	ORD 4,028	4,028
23-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	17.22	ORD -5,614	-5,614
23-May-19	BlackRock Fund Advisors	in specie	n/a	ORD -2,800	-2,800
23-May-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD 222,281	222,281
23-May-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -1,289,993	-1,289,993
23-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	collateral transfer	n/a	ORD -14,159	-14,159
23-May-19	BlackRock Investment Management, LLC	collateral transfer	n/a	ORD -94,871	-94,871
23-May-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD -42,546	-42,546
24-May-19	BlackRock Advisors (UK) Limited	on mkt sell	16.80	ORD -8,056	-8,056
24-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.80	ORD 32,508	32,508

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24-May-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -222,280 -222,280
24-May-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -239,554 -239,554
24-May-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD 222,281 222,281
27-May-19	BlackRock Advisors, LLC	on mkt sell	16.63	ORD -19,227 -19,227
27-May-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -1 -1
27-May-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 1,289,068 1,289,068
27-May-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD 0 0
28-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	16.49	ORD -1,592 -1,592
28-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.49	ORD 1,411 1,411
28-May-19	BlackRock International Limited	on mkt buy	16.49	ORD 5,861 5,861
28-May-19	BlackRock Fund Advisors	on mkt buy	16.49	ORD 13,188 13,188
28-May-19	BlackRock Advisors (UK) Limited	on mkt buy	16.49	ORD 2,326 2,326
28-May-19	BlackRock Advisors (UK) Limited	on mkt buy	16.49	ORD 1,480 1,480
28-May-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.49	ORD 663 663
28-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.49	ORD 19,429 19,429
28-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	16.49	ORD -32,306 -32,306
28-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.49	ORD 4,234 4,234
28-May-19	BlackRock International Limited	on mkt buy	16.49	ORD 17,582 17,582
28-May-19	BlackRock Investment Management, LLC	on mkt sell	16.49	ORD -1,055 -1,055
28-May-19	BlackRock Fund Advisors	on mkt buy	16.49	ORD 39,563 39,563
28-May-19	BlackRock Advisors (UK) Limited	on mkt buy	16.49	ORD 6,978 6,978
28-May-19	BlackRock Advisors (UK) Limited	on mkt buy	16.49	ORD 4,441 4,441
28-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	16.49	ORD -7,220 -7,220
28-May-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.49	ORD 1,990 1,990
28-May-19	BlackRock Investment Management (UK) Limited	on mkt sell	16.49	ORD -89,302 -89,302
28-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.49	ORD 58,286 58,286
28-May-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -1,531,104 -1,531,104
28-May-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD 0 0
29-May-19	BlackRock Advisors, LLC	on mkt sell	16.25	ORD -141,825 -141,825
29-May-19	BlackRock Advisors, LLC	on mkt sell	16.25	ORD -22,966 -22,966
29-May-19	BlackRock Advisors, LLC	on mkt sell	16.25	ORD -12,092 -12,092
29-May-19	BlackRock Advisors, LLC	on mkt sell	16.25	ORD -52,588 -52,588
29-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	16.25	ORD -9,600 -9,600
29-May-19	BlackRock Investment Management (UK) Limited	on mkt sell	16.25	ORD -520,415 -520,415
29-May-19	BlackRock Fund Advisors	on mkt buy	16.14	ORD 11,671 11,671
29-May-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.24	ORD 24,451 24,451
29-May-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.32	ORD 1,424 1,424
29-May-19	BlackRock Advisors (UK) Limited	on mkt buy	16.32	ORD 2,955 2,955
29-May-19	BlackRock Advisors (UK) Limited	on mkt sell	16.32	ORD -1,722 -1,722
29-May-19	BlackRock Advisors (UK) Limited	on mkt sell	16.32	ORD -3,846 -3,846
29-May-19	BlackRock Fund Advisors	on mkt buy	16.32	ORD 15,288 15,288

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29-May-19	BlackRock Fund Advisors	in specie	n/a	ORD	-5,600	-5,600
29-May-19	BlackRock Fund Advisors	in specie	n/a	ORD	-10,963	-10,963
29-May-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	158,000	158,000
29-May-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	0	0
30-May-19	BlackRock Advisors, LLC	on mkt sell	16.27	ORD	-125,575	-125,575
30-May-19	BlackRock Advisors, LLC	on mkt sell	16.27	ORD	-20,334	-20,334
30-May-19	BlackRock Advisors, LLC	on mkt sell	16.27	ORD	-10,708	-10,708
30-May-19	BlackRock Advisors, LLC	on mkt sell	16.27	ORD	-46,562	-46,562
30-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	16.27	ORD	-8,500	-8,500
30-May-19	BlackRock Investment Management (UK) Limited	on mkt sell	16.27	ORD	-460,785	-460,785
30-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	16.28	ORD	-1,962	-1,962
30-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	16.28	ORD	-16,978	-16,978
30-May-19	BlackRock Advisors (UK) Limited	on mkt sell	16.27	ORD	-1,150	-1,150
30-May-19	BlackRock Advisors (UK) Limited	on mkt sell	16.27	ORD	-1,725	-1,725
30-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.27	ORD	18,105	18,105
30-May-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	1,535,196	1,535,196
30-May-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	2	2
31-May-19	BlackRock Advisors (UK) Limited	on mkt buy	16.09	ORD	97	97
31-May-19	BlackRock Advisors (UK) Limited	on mkt buy	16.09	ORD	25,379	25,379
31-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	16.09	ORD	-101,095	-101,095
31-May-19	BlackRock Investment Management (UK) Limited	on mkt sell	16.09	ORD	-54,842	-54,842
31-May-19	BlackRock Fund Advisors	in specie	n/a	ORD	-18,624	-18,624
31-May-19	BlackRock Fund Advisors	in specie	n/a	ORD	-2,800	-2,800
31-May-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	220,856	220,856
31-May-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-1,598,196	-1,598,196
31-May-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	-2	-2
03-Jun-19	BlackRock Advisors, LLC	on mkt buy	15.81	ORD	14,700	14,700
03-Jun-19	BlackRock Advisors, LLC	on mkt sell	15.81	ORD	-600	-600
03-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	15.87	ORD	-1,092	-1,092
03-Jun-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	-220,856	-220,856
03-Jun-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	1,580,350	1,580,350
03-Jun-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	0	0
04-Jun-19	BlackRock Advisors, LLC	on mkt sell	15.79	ORD	-950	-950
04-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	15.81	ORD	-37,690	-37,690
04-Jun-19	BlackRock Japan Co., Ltd.	on mkt buy	15.91	ORD	7,856	7,856
04-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	15.77	ORD	2,530	2,530
04-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	15.77	ORD	-2,184	-2,184
04-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt buy	15.77	ORD	30,258	30,258
04-Jun-19	BlackRock (Netherlands) B.V.	on mkt buy	15.77	ORD	876	876
04-Jun-19	BlackRock Fund Advisors	on mkt buy	15.77	ORD	28,260	28,260
04-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD	-21,926	-21,926

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04-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD	-2,800	-2,800
04-Jun-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	5,483	5,483
04-Jun-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	-1	-1
05-Jun-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD	7,670	7,670
05-Jun-19	BlackRock Advisors, LLC	on mkt sell	16.14	ORD	-30,218	-30,218
05-Jun-19	BlackRock Asset Management Canada Limited	on mkt buy	16.10	ORD	1,854	1,854
05-Jun-19	BlackRock Japan Co., Ltd.	on mkt buy	15.94	ORD	6,722	6,722
05-Jun-19	BlackRock Japan Co., Ltd.	on mkt buy	15.94	ORD	7,586	7,586
05-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy	15.87	ORD	2,136	2,136
05-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	15.88	ORD	-16,148	-16,148
05-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	15.87	ORD	-1,023	-1,023
05-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	15.87	ORD	-1,740	-1,740
05-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	15.87	ORD	-66,339	-66,339
05-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD	24,311	24,311
05-Jun-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	1,034,491	1,034,491
05-Jun-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-11,665	-11,665
05-Jun-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	1	1
06-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	15.81	ORD	-23,660	-23,660
06-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	15.81	ORD	-14,064	-14,064
06-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	15.81	ORD	-14,676	-14,676
06-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	15.77	ORD	-3,560	-3,560
06-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy	15.77	ORD	1,424	1,424
06-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	15.77	ORD	2,968	2,968
06-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	15.77	ORD	8,904	8,904
06-Jun-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	397,121	397,121
06-Jun-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-83,588	-83,588
06-Jun-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	-1	-1
07-Jun-19	BlackRock Investment Management (UK) Limited	on mkt buy	15.96	ORD	9,128	9,128
07-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	15.96	ORD	44,736	44,736
07-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	15.96	ORD	6,617	6,617
07-Jun-19	BlackRock Fund Advisors	on mkt buy	15.96	ORD	22,526	22,526
07-Jun-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	0	0
07-Jun-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	1,564,956	1,564,956
07-Jun-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	-1	-1
10-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD	-21,926	-21,926
10-Jun-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	323,932	323,932
10-Jun-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-1,445,031	-1,445,031
10-Jun-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	-3	-3
11-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	16.18	ORD	-11,791	-11,791
11-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	16.23	ORD	-1,746	-1,746
11-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	16.23	ORD	2,048	2,048

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11-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	16.23	ORD 2,048	2,048
11-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD -2,800	-2,800
11-Jun-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -1,755,544	-1,755,544
11-Jun-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -909,457	-909,457
11-Jun-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD 1,525,341	1,525,341
12-Jun-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.31	ORD 91,269	91,269
12-Jun-19	BlackRock Advisors, LLC	on mkt buy	16.26	ORD 11,833	11,833
12-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	16.20	ORD 3,079	3,079
12-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	16.20	ORD 512	512
12-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	16.20	ORD 33,878	33,878
12-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD -10,580	-10,580
12-Jun-19	BlackRock Investment Management, LLC	in specie	n/a	ADR 10:1 -40	-400
12-Jun-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD 50	50
12-Jun-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 1,514,669	1,514,669
12-Jun-19	BlackRock Investment Management, LLC	collateral transfer	n/a	ORD 25	25
12-Jun-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD -1,522,739	-1,522,739
12-Jun-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	ORD 9	9
13-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt buy	15.82	ORD 835	835
13-Jun-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD 30,097	30,097
13-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt buy	15.73	ORD 36,454	36,454
13-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt buy	15.73	ORD 17,192	17,192
13-Jun-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD 302,605	302,605
13-Jun-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -786,987	-786,987
13-Jun-19	BlackRock Investment Management, LLC	collateral transfer	n/a	ORD -25	-25
13-Jun-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD -2,601	-2,601
13-Jun-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	ORD -9	-9
14-Jun-19	BlackRock Investment Management (UK) Limited	on mkt buy	15.98	ORD 9,591	9,591
14-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	15.94	ORD -38,426	-38,426
14-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	15.94	ORD -100,642	-100,642
14-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy	15.90	ORD 1,424	1,424
14-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	15.91	ORD -12,126	-12,126
14-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	15.90	ORD -1,142	-1,142
14-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	15.90	ORD 4,042	4,042
14-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD -31,672	-31,672
14-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD -23,754	-23,754
14-Jun-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -302,655	-302,655
14-Jun-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 4,427	4,427
14-Jun-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD 232,713	232,713
17-Jun-19	BlackRock Investment Management (UK) Limited	on mkt buy	15.82	ORD 84,100	84,100
17-Jun-19	BlackRock Fund Advisors	on mkt buy	15.91	ORD 6,487	6,487
17-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	15.77	ORD -4,044	-4,044

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17-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	15.77	ORD	335	335
17-Jun-19	BlackRock Fund Advisors	on mkt sell	15.77	ORD	-119,543	-119,543
17-Jun-19	BlackRock Fund Advisors	on mkt sell	15.77	ORD	-17,192	-17,192
17-Jun-19	BlackRock Fund Advisors	on mkt sell	15.77	ORD	-14,720	-14,720
17-Jun-19	BlackRock Fund Advisors	on mkt sell	15.77	ORD	-41,774	-41,774
17-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD	-27,524	-27,524
17-Jun-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	412	412
17-Jun-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	1,543,234	1,543,234
17-Jun-19	BlackRock Investment Management, LLC	collateral transfer	n/a	ORD	1	1
17-Jun-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	14	14
18-Jun-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	15.82	ORD	-3,583	-3,583
18-Jun-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	27,548	27,548
18-Jun-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-3,071,390	-3,071,390
18-Jun-19	BlackRock Investment Management, LLC	collateral transfer	n/a	ORD	-1	-1
18-Jun-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	-5	-5
19-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.28	ORD	10,647	10,647
19-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	16.28	ORD	186	186
19-Jun-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	-5,383	-5,383
19-Jun-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	56,736	56,736
20-Jun-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.45	ORD	8,350	8,350
20-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	16.43	ORD	-6,268	-6,268
20-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	16.43	ORD	2,190	2,190
20-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD	95,025	95,025
20-Jun-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	-22,577	-22,577
20-Jun-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	-8	-8
21-Jun-19	BlackRock Investment Management (UK) Limited	on mkt sell	16.68	ORD	-7,730	-7,730
21-Jun-19	BlackRock Advisors, LLC	on mkt sell	16.67	ORD	-4,224	-4,224
21-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.57	ORD	13,835	13,835
21-Jun-19	BlackRock Investment Management (UK) Limited	on mkt sell	16.57	ORD	-19,407	-19,407
21-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	16.57	ORD	-2,126	-2,126
21-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	16.57	ORD	1,760	1,760
21-Jun-19	BlackRock Investment Management (UK) Limited	on mkt sell	16.57	ORD	-157,880	-157,880
21-Jun-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.57	ORD	1,852	1,852
21-Jun-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.57	ORD	159,565	159,565
21-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.57	ORD	4,161	4,161
21-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.57	ORD	2,812	2,812
21-Jun-19	BlackRock Asset Management Canada Limited	on mkt buy	16.57	ORD	7,817	7,817
21-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.57	ORD	1,437	1,437
21-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.57	ORD	3,128	3,128
21-Jun-19	BlackRock Fund Advisors	on mkt buy	16.57	ORD	1,495	1,495
21-Jun-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.57	ORD	375	375

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21-Jun-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.57	ORD 32,446	32,446
21-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.57	ORD 845	845
21-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.57	ORD 8,441	8,441
21-Jun-19	BlackRock Asset Management Canada Limited	on mkt buy	16.57	ORD 23,446	23,446
21-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.57	ORD 4,314	4,314
21-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.57	ORD 9,376	9,376
21-Jun-19	BlackRock Fund Advisors	on mkt buy	16.57	ORD 4,493	4,493
21-Jun-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.57	ORD 1,131	1,131
21-Jun-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.57	ORD 97,334	97,334
21-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.57	ORD 2,539	2,539
21-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	16.57	ORD -11,105	-11,105
21-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD 11,552	11,552
21-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD -20,295	-20,295
21-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD 98,784	98,784
21-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD -24,354	-24,354
21-Jun-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 1,541,036	1,541,036
21-Jun-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD -5,032	-5,032
24-Jun-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.58	ORD 28,940	28,940
24-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	16.54	ORD 2,634	2,634
24-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	16.54	ORD -27,394	-27,394
24-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD 7,581	7,581
24-Jun-19	BlackRock Asset Management Canada Limited	on mkt buy	16.54	ORD 19,812	19,812
24-Jun-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -1,541,036	-1,541,036
24-Jun-19	BlackRock Investment Management, LLC	collateral transfer	n/a	ORD 1	1
24-Jun-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD 5,035	5,035
25-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.41	ORD 3,530	3,530
25-Jun-19	BlackRock Advisors, LLC	on mkt buy	16.58	ORD 3,240	3,240
25-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	16.42	ORD 4,004	4,004
25-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	16.42	ORD 436	436
25-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	16.42	ORD 8,008	8,008
25-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	16.42	ORD -2,055	-2,055
25-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD -19,410	-19,410
25-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD 49,392	49,392
25-Jun-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD 203,914	203,914
25-Jun-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 1,442,477	1,442,477
25-Jun-19	BlackRock Investment Management, LLC	collateral transfer	n/a	ORD -1	-1
25-Jun-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD -213,749	-213,749
26-Jun-19	BlackRock International Limited	on mkt buy	16.50	ORD 10,474	10,474
26-Jun-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.44	ORD 5,321	5,321
26-Jun-19	BlackRock Advisors, LLC	on mkt buy	16.44	ORD 25,722	25,722
26-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	16.44	ORD 2,613	2,613

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26-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.44	ORD 5,669	5,669
26-Jun-19	BlackRock Advisors, LLC	on mkt buy	16.44	ORD 7,403	7,403
26-Jun-19	BlackRock International Limited	on mkt buy	16.44	ORD 3,098	3,098
26-Jun-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.44	ORD 9,460	9,460
26-Jun-19	BlackRock Investment Management, LLC	on mkt buy	16.44	ORD 1,854	1,854
26-Jun-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.44	ORD 290,864	290,864
26-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	16.44	ORD 22,977	22,977
26-Jun-19	BlackRock (Netherlands) B.V.	on mkt buy	16.44	ORD 909	909
26-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	16.44	ORD -500	-500
26-Jun-19	BlackRock Investment Management (UK) Limited	on mkt sell	16.44	ORD -7,101	-7,101
26-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD -10,866	-10,866
26-Jun-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD 1,811	1,811
26-Jun-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -1,424,988	-1,424,988
26-Jun-19	BlackRock Investment Management, LLC	collateral transfer	n/a	ORD 66,242	66,242
26-Jun-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD 1,275,084	1,275,084
27-Jun-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.49	ORD 8,580	8,580
27-Jun-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	16.66	ORD -3,306	-3,306
27-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.66	ORD 8,056	8,056
27-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD 6,083	6,083
27-Jun-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -1,811	-1,811
27-Jun-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 1,496,152	1,496,152
27-Jun-19	BlackRock Investment Management, LLC	collateral transfer	n/a	ORD -66,242	-66,242
27-Jun-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD -1,302,417	-1,302,417
28-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.46	ORD 202	202
28-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	16.40	ORD 191	191
28-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	16.40	ORD -8,903	-8,903
28-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	16.40	ORD -8,785	-8,785
28-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD 8,203	8,203
28-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD 4,693	4,693
28-Jun-19	BlackRock Fund Advisors	in specie	n/a	ORD -21,732	-21,732
28-Jun-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD 100,844	100,844
28-Jun-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 220,395	220,395
28-Jun-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD -213,912	-213,912
01-Jul-19	BlackRock Fund Advisors	in specie	n/a	ORD -12,552	-12,552
01-Jul-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD 164,998	164,998
01-Jul-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -356,598	-356,598
02-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	16.57	ORD -12,372	-12,372
02-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	16.57	ORD -1,022	-1,022
02-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.57	ORD 27,948	27,948
02-Jul-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.57	ORD 24,613	24,613
02-Jul-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -165,000	-165,000

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02-Jul-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-158,898	-158,898
03-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	16.20	ORD	-36,437	-36,437
03-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.15	ORD	1,675	1,675
03-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	16.15	ORD	-8,016	-8,016
03-Jul-19	BlackRock Advisors (UK) Limited	in specie	n/a	ORD	-21,103	-21,103
03-Jul-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	530,644	530,644
03-Jul-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-1,218,541	-1,218,541
03-Jul-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	3	3
04-Jul-19	BlackRock Advisors, LLC	on mkt sell	16.27	ORD	-3,150	-3,150
04-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	16.22	ORD	-16,216	-16,216
04-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.16	ORD	1,420	1,420
04-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.16	ORD	10,128	10,128
04-Jul-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	1	1
04-Jul-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	961,519	961,519
04-Jul-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	-3	-3
05-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.23	ORD	3,099	3,099
05-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.23	ORD	670	670
05-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.23	ORD	8,004	8,004
05-Jul-19	BlackRock Fund Advisors	in specie	n/a	ORD	-15,524	-15,524
05-Jul-19	BlackRock Fund Advisors	in specie	n/a	ORD	5,488	5,488
05-Jul-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	12,293	12,293
05-Jul-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	1,590,841	1,590,841
08-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.13	ORD	3,093	3,093
08-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	16.13	ORD	-4,010	-4,010
08-Jul-19	BlackRock Fund Advisors	on mkt buy	16.13	ORD	15,367	15,367
08-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.13	ORD	9,673	9,673
08-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.13	ORD	28,568	28,568
08-Jul-19	BlackRock Fund Advisors	on mkt buy	16.13	ORD	13,685	13,685
08-Jul-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	99,002	99,002
08-Jul-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	115,176	115,176
09-Jul-19	BlackRock Advisors (UK) Limited	in specie	n/a	ORD	-38,014	-38,014
09-Jul-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	154,738	154,738
09-Jul-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	260,628	260,628
10-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.07	ORD	1,662	1,662
10-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt buy	15.97	ORD	27,295	27,295
10-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	15.95	ORD	-24,042	-24,042
10-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	15.95	ORD	4,842	4,842
10-Jul-19	BlackRock Fund Advisors	in specie	n/a	ORD	8,232	8,232
10-Jul-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	40,930	40,930
10-Jul-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-406,354	-406,354
11-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.36	ORD	6,642	6,642

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11-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.48	ORD 191	191
11-Jul-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -875,051	-875,051
12-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.80	ORD 1,879	1,879
12-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	17.09	ORD -50,956	-50,956
12-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt buy	17.14	ORD 18,060	18,060
12-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	17.14	ORD 3,072	3,072
12-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt buy	17.14	ORD 78,747	78,747
12-Jul-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -393,753	-393,753
12-Jul-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -1,367,952	-1,367,952
15-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt buy	17.07	ORD 11,306	11,306
15-Jul-19	BlackRock Asset Management Canada Limited	on mkt buy	17.08	ORD 30,917	30,917
15-Jul-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -748,611	-748,611
15-Jul-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -3	-3
15-Jul-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD 291,584	291,584
16-Jul-19	BlackRock Investment Management, LLC	on mkt sell	16.79	ORD -7,875	-7,875
16-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.73	ORD 6,172	6,172
16-Jul-19	BlackRock Fund Advisors	in specie	n/a	ORD 11,191	11,191
16-Jul-19	BlackRock Fund Advisors	in specie	n/a	ORD -7,698	-7,698
16-Jul-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 3	3
16-Jul-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD -291,584	-291,584
17-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	16.19	ORD -267	-267
17-Jul-19	BlackRock Investment Management, LLC	on mkt sell	16.19	ORD -4,001	-4,001
17-Jul-19	BlackRock Investment Management (UK) Limited	on mkt sell	16.19	ORD -6,533	-6,533
17-Jul-19	BlackRock Fund Advisors	on mkt buy	16.41	ORD 7,570	7,570
17-Jul-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.16	ORD 15,057	15,057
17-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.20	ORD 6,112	6,112
17-Jul-19	BlackRock Asset Management Canada Limited	on mkt buy	16.20	ORD 1,736	1,736
17-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.20	ORD 6,996	6,996
17-Jul-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 1,654,180	1,654,180
18-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	15.60	ORD -22,913	-22,913
18-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	15.60	ORD -14,089	-14,089
18-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	15.60	ORD -6,906	-6,906
18-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	15.60	ORD -13,180	-13,180
18-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	15.53	ORD 3,086	3,086
18-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	15.53	ORD 6,172	6,172
18-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt buy	15.53	ORD 56,991	56,991
18-Jul-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -1,443,174	-1,443,174
19-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	15.59	ORD -17,002	-17,002
19-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	15.59	ORD -7,482	-7,482
19-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	15.59	ORD -5,662	-5,662
19-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	15.59	ORD -15,092	-15,092

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19-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	15.60	ORD	-2,022	-2,022
19-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	15.60	ORD	40,209	40,209
19-Jul-19	BlackRock Fund Advisors	in specie	n/a	ORD	-1,195	-1,195
19-Jul-19	BlackRock Fund Advisors	in specie	n/a	ORD	4,308	4,308
19-Jul-19	BlackRock Fund Advisors	in specie	n/a	ORD	18,573	18,573
19-Jul-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-307,957	-307,957
22-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	15.88	ORD	-274	-274
22-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	15.88	ORD	-424	-424
22-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	15.85	ORD	570	570
22-Jul-19	BlackRock Fund Advisors	in specie	n/a	ORD	3,585	3,585
22-Jul-19	BlackRock Investment Management (UK) Limited	in specie	n/a	ORD	1,046,648	1,046,648
22-Jul-19	BlackRock Fund Advisors	in specie	n/a	ORD	5,544	5,544
22-Jul-19	BlackRock Fund Advisors	in specie	n/a	ORD	2,772	2,772
22-Jul-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-2	-2
23-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	15.97	ORD	1,100	1,100
23-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	16.10	ORD	-10,904	-10,904
23-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	16.10	ORD	-6,227	-6,227
23-Jul-19	BlackRock Investment Management (UK) Limited	on mkt sell	16.14	ORD	-8,681	-8,681
23-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.18	ORD	562	562
23-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.18	ORD	249	249
23-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.18	ORD	760	760
23-Jul-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD	-17,498	-17,498
23-Jul-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	284,789	284,789
24-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	16.20	ORD	-409	-409
24-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	16.20	ORD	-1,413	-1,413
24-Jul-19	BlackRock Advisors, LLC	on mkt sell	16.20	ORD	-4,346	-4,346
24-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	16.20	ORD	-1,077	-1,077
24-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	16.20	ORD	-2,488	-2,488
24-Jul-19	BlackRock Advisors, LLC	on mkt sell	16.20	ORD	-3,819	-3,819
24-Jul-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.26	ORD	49,690	49,690
24-Jul-19	BlackRock Investment Management, LLC	on mkt sell	16.20	ORD	-6,606	-6,606
24-Jul-19	BlackRock International Limited	on mkt sell	16.20	ORD	-1,419	-1,419
24-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	16.20	ORD	-3,755	-3,755
24-Jul-19	BlackRock Investment Management, LLC	on mkt sell	16.20	ORD	-4,750	-4,750
24-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	16.20	ORD	-70,162	-70,162
24-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	16.20	ORD	-161,114	-161,114
24-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.20	ORD	3,109	3,109
24-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.20	ORD	10,535	10,535
24-Jul-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD	-30,103	-30,103
24-Jul-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	246,402	246,402
25-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	16.25	ORD	-413	-413

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25-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	16.25	ORD -3,414	-3,414
25-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	16.25	ORD -52,463	-52,463
25-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.31	ORD 4,023	4,023
25-Jul-19	BlackRock Fund Advisors	in specie	n/a	ORD 5,679	5,679
25-Jul-19	BlackRock Fund Advisors	in specie	n/a	ORD 24,764	24,764
25-Jul-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -38,333	-38,333
25-Jul-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 431,230	431,230
26-Jul-19	BlackRock Advisors, LLC	on mkt buy	16.32	ORD 920	920
26-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.27	ORD 4,080	4,080
26-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	16.27	ORD -31,470	-31,470
26-Jul-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -165,761	-165,761
26-Jul-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -239,991	-239,991
29-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.32	ORD 3,109	3,109
29-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.32	ORD 3,133	3,133
29-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.32	ORD 762	762
29-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.32	ORD 2,032	2,032
29-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	16.32	ORD -98,538	-98,538
29-Jul-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -35,780	-35,780
29-Jul-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -128,264	-128,264
30-Jul-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD 4,718	4,718
30-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	16.15	ORD -51,113	-51,113
30-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.17	ORD 514	514
30-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.17	ORD 670	670
30-Jul-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD 3,038	3,038
30-Jul-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -547,966	-547,966
30-Jul-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD 591,266	591,266
31-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	16.23	ORD -740	-740
31-Jul-19	BlackRock Investment Management, LLC	on mkt sell	16.23	ORD -7,998	-7,998
31-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	16.23	ORD -70,274	-70,274
31-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	16.23	ORD -150,913	-150,913
31-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.22	ORD 3,089	3,089
31-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	16.22	ORD 683	683
31-Jul-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.22	ORD 78,343	78,343
31-Jul-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -14,812	-14,812
01-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	16.09	ORD -28,024	-28,024
01-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	16.08	ORD -6,840	-6,840
01-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	16.08	ORD -21,026	-21,026
01-Aug-19	BlackRock Advisors (UK) Limited	in specie	n/a	ORD -104,206	-104,206
01-Aug-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD 32,578	32,578
02-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	15.64	ORD -60,771	-60,771
02-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	15.64	ORD -1,445	-1,445

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02-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt buy	15.64	ORD 8,295	8,295
02-Aug-19	BlackRock Fund Advisors	in specie	n/a	ORD -2,772	-2,772
02-Aug-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD 5,091	5,091
02-Aug-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD 102,228	102,228
05-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	16.03	ORD -27,177	-27,177
05-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.03	ORD 7,135	7,135
05-Aug-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -8,122	-8,122
05-Aug-19	BlackRock Investment Management, LLC	collateral transfer	n/a	ORD 19	19
05-Aug-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD -63,599	-63,599
05-Aug-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	ORD 2	2
06-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	15.52	ORD -20,184	-20,184
06-Aug-19	BlackRock Advisors, LLC	on mkt sell	15.51	ORD -3,390	-3,390
06-Aug-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	15.51	ORD -1,109	-1,109
06-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt buy	15.54	ORD 11,708	11,708
06-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy	15.54	ORD 10,535	10,535
06-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy	15.54	ORD 3,096	3,096
06-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy	15.54	ORD 704	704
06-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	15.54	ORD -8,002	-8,002
06-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	15.54	ORD -2,313	-2,313
06-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	15.54	ORD -1,017	-1,017
06-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	15.54	ORD -2,827	-2,827
06-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	15.54	ORD -1,724	-1,724
06-Aug-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -7	-7
06-Aug-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 739,459	739,459
06-Aug-19	BlackRock Investment Management, LLC	collateral transfer	n/a	ORD -19	-19
06-Aug-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD -662,473	-662,473
06-Aug-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	ORD -2	-2
07-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt buy	15.36	ORD 1,987	1,987
07-Aug-19	BlackRock Advisors, LLC	on mkt sell	15.45	ORD -1,000	-1,000
07-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	15.35	ORD -31,664	-31,664
07-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	15.35	ORD -61,327	-61,327
07-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	15.36	ORD -1,032	-1,032
07-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	15.36	ORD -3,033	-3,033
07-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy	15.36	ORD 192	192
07-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	15.36	ORD -1,011	-1,011
07-Aug-19	BlackRock Investment Management, LLC	on mkt buy	15.36	ORD 2,940	2,940
07-Aug-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -678,280	-678,280
08-Aug-19	BlackRock Advisors, LLC	on mkt sell	15.31	ORD -5,466	-5,466
08-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt buy	15.55	ORD 627	627
08-Aug-19	BlackRock Advisors, LLC	on mkt buy	15.55	ORD 6,557	6,557
08-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	15.67	ORD -3,797	-3,797

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08-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	15.67	ORD -3,797	-3,797
08-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	15.67	ORD -678	-678
08-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy	15.67	ORD 20,013	20,013
08-Aug-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD -314,641	-314,641
08-Aug-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 1,614,157	1,614,157
09-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell	15.77	ORD -20,369	-20,369
09-Aug-19	BlackRock Asset Management Canada Limited	on mkt buy	15.76	ORD 7,045	7,045
09-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy	15.80	ORD 12,040	12,040
09-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy	15.80	ORD 8,716	8,716
09-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy	15.80	ORD 19,679	19,679
09-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy	15.80	ORD 20,072	20,072
09-Aug-19	BlackRock Fund Advisors	in specie	n/a	ORD 768	768
09-Aug-19	BlackRock Fund Advisors	in specie	n/a	ORD -2,772	-2,772
09-Aug-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -1,661,856	-1,661,856
12-Aug-19	BlackRock Investment Management (UK) Limited	on mkt buy	15.87	ORD 8,700	8,700
12-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	15.77	ORD -8,704	-8,704
12-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy	15.77	ORD 13,056	13,056
12-Aug-19	BlackRock Fund Advisors	in specie	n/a	ORD -21,908	-21,908
12-Aug-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 0	0
13-Aug-19	BlackRock Fund Advisors	on mkt buy	15.68	ORD 806	806
13-Aug-19	BlackRock Investment Management (UK) Limited	on mkt buy	15.80	ORD 31,350	31,350
13-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy	15.64	ORD 3,096	3,096
13-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	15.64	ORD -8,704	-8,704
13-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	15.64	ORD -3,781	-3,781
13-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy	15.64	ORD 9,288	9,288
13-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	15.64	ORD -8,087	-8,087
13-Aug-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	15.64	ORD -32,926	-32,926
13-Aug-19	BlackRock Fund Advisors	in specie	n/a	ORD -110,880	-110,880
13-Aug-19	BlackRock Fund Advisors	in specie	n/a	ORD 384	384
13-Aug-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD 279,359	279,359
13-Aug-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD 373,941	373,941
14-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell	15.72	ORD -14,420	-14,420
14-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	15.73	ORD -11,048	-11,048
14-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	15.73	ORD -31,334	-31,334
14-Aug-19	BlackRock Investment Management (UK) Limited	on mkt buy	15.74	ORD 554	554
14-Aug-19	BlackRock Investment Management, LLC	on mkt buy	15.73	ORD 6,867	6,867
14-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy	15.77	ORD 9,502	9,502
14-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	15.77	ORD -4,352	-4,352
14-Aug-19	BlackRock Investment Management (UK) Limited	on mkt buy	15.73	ORD 7,223	7,223
14-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	15.77	ORD -1,720	-1,720
14-Aug-19	BlackRock Advisors, LLC	on mkt sell	15.73	ORD -5,411	-5,411

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14-Aug-19	BlackRock Advisors, LLC	on mkt sell	15.73	ORD -1,468 -1,468
14-Aug-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	15.73	ORD -2,056 -2,056
14-Aug-19	BlackRock Fund Advisors	in specie	n/a	ORD -10,954 -10,954
14-Aug-19	BlackRock Fund Advisors	in specie	n/a	ORD -88,704 -88,704
14-Aug-19	BlackRock Advisors (UK) Limited	in specie	n/a	ORD -2,778 -2,778
14-Aug-19	BlackRock Investment Management (UK) Limited	in specie	n/a	ORD 2,778 2,778
14-Aug-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -270,970 -270,970
14-Aug-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -296,435 -296,435
15-Aug-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	15.22	ORD 500 500
15-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	15.19	ORD -10,575 -10,575
15-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	14.73	ORD -1,715 -1,715
15-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	14.73	ORD -1,715 -1,715
15-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy	14.73	ORD 16,189 16,189
15-Aug-19	BlackRock Fund Advisors	in specie	n/a	ORD 7,500 7,500
15-Aug-19	BlackRock Fund Advisors	in specie	n/a	ORD -8,316 -8,316
15-Aug-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	ORD -8,389 -8,389
15-Aug-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD -90,986 -90,986