

Form 603
Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme Sonic Healthcare Limited
ACN/ARSN 004 196 909

1. Details of substantial holder (1)

Name Vanguard Group (The Vanguard Group, Inc. and its controlled entities including those listed in Annexure A)
ACN/ARSN (if applicable) N/A
The holder became a substantial holder on 26 September 2022

2. Details of voting power

The total number of votes attached to all the voting shares in the company or voting interests in the scheme that the substantial holder or an associate (2) had a relevant interest (3) in on the date the substantial holder became a substantial holder are as follows:

Class of securities (4)	Number of securities	Person's votes (5)	Voting power (6)
Ordinary	24,039,744	24,039,744	5.001%
Note: Vanguard Group also holds 18,414 shares of Sonic Healthcare Limited ADR.			

3. Details of relevant interests

The nature of the relevant interest the substantial holder or an associate had in the following voting securities on the date the substantial holder became a substantial holder are as follows:

Holder of relevant interest	Nature of relevant interest (7)	Class and number of securities
Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 24,039,744

4. Details of present registered holders

The persons registered as holders of the securities referred to in paragraph 3 above are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Class and number of securities
Vanguard Group	Brown Brothers Harriman	Various funds and accounts of Vanguard Group	Ordinary – 1,397,777
Vanguard Group	BNY Mellon	Various funds and accounts of Vanguard Group	Ordinary – 2,378,782
Vanguard Group	JP Morgan Chase Bank, N.A.	Various funds and accounts of Vanguard Group	Ordinary – 16,192,841
Vanguard Group	State Street Bank and Trust Company	Various funds and accounts of Vanguard Group	Ordinary – 4,070,344

5. Consideration

The consideration paid for each relevant interest referred to in paragraph 3 above, and acquired in the four months prior to the day that the substantial holder became a substantial holder is as follows:

Holder of relevant interest	Date of acquisition	Consideration (9)	Class and number of securities
See Annexure A			

6. Associates

The reasons the persons named in paragraph 3 above are associates of the substantial holder are as follows:


Name and ACN/ARSN (if applicable)	Nature of association
N/A	N/A

7. Addresses

The addresses of persons named in this form are as follows:

Name	Address
Vanguard Group	P.O. Box 2600, V26 Valley Forge, PA 19482 USA

print name Shawn Acker capacity Compliance Manager

sign here  date 29 September 2022

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DIRECTIONS

- (1) If there are a number of substantial holders with similar or related interests (eg. a corporation and its related corporations, or the manager and trustee of an equity trust), the names could be included in an annexure to the form. If the relevant interests of a group of persons are essentially similar, they may be referred to throughout the form as a specifically named group if the membership of each group, with the names and addresses of members is clearly set out in paragraph 7 of the form.
- (2) See the definition of "associate" in section 9 of the Corporations Act 2001.
- (3) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
- (4) The voting shares of a company constitute one class unless divided into separate classes.
- (5) The total number of votes attached to all the voting shares in the company or voting interests in the scheme (if any) that the person or an Associate has a relevant interest in.
- (6) The person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
- (7) Include details of:
 - (a) any relevant agreement or other circumstances by which the relevant interest was acquired. If subsection 671B(4) applies, a copy of any document setting out the terms of any relevant agreement, and a statement by the person giving full and accurate details of any contract, scheme or arrangement, must accompany this form, together with a written statement certifying this contract, scheme or arrangement; and
 - (b) any qualification of the power of a person to exercise, control the exercise of, or influence the exercise of, the voting powers or disposal of the securities to which the relevant interest relates (indicating clearly the particular securities to which the qualification applies).See the definition of "relevant agreement" in section 9 of the Corporations Act 2001.
- (8) If the substantial holder is unable to determine the identity of the person (eg. if the relevant interest arises because of an option) write "unknown".
- (9) Details of the consideration must include any and all benefits, moneys and other, that any person from whom a relevant interest has acquired has, or may, become entitled to receive in relation to that acquisition. Details must be included even if the benefit is conditional on the happening or not of a contingency. Details must be included of any benefit paid on behalf of the substantial holder of its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.

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To Company
ACN/ARSN

Sonic Healthcare Limited
004 196 909

Substantial Holder Name
ACN/ARSN

Vanguard Group
N/A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
27-May-2022	The Vanguard Group, Inc.	BUY	36.51	Ordinary	273	273
27-May-2022	The Vanguard Group, Inc.	BUY	36.51	Ordinary	233	233
1-Jun-2022	The Vanguard Group, Inc.	BUY	36.76	Ordinary	4,762	4,762
1-Jun-2022	The Vanguard Group, Inc.	BUY	36.76	Ordinary	612	612
2-Jun-2022	The Vanguard Group, Inc.	BUY	35.74	Ordinary	230	230
2-Jun-2022	The Vanguard Group, Inc.	BUY	35.74	Ordinary	162	162
2-Jun-2022	The Vanguard Group, Inc.	BUY	35.88	Ordinary	1,380	1,380
2-Jun-2022	The Vanguard Group, Inc.	BUY	35.88	Ordinary	2,340	2,340
2-Jun-2022	The Vanguard Group, Inc.	BUY	35.88	Ordinary	432	432
2-Jun-2022	The Vanguard Group, Inc.	BUY	35.88	Ordinary	552	552
3-Jun-2022	The Vanguard Group, Inc.	BUY	35.64	Ordinary	288	288
3-Jun-2022	The Vanguard Group, Inc.	BUY	35.64	Ordinary	229	229
3-Jun-2022	The Vanguard Group, Inc.	BUY	35.46	Ordinary	828	828
7-Jun-2022	The Vanguard Group, Inc.	BUY	34.00	Ordinary	230	230
8-Jun-2022	The Vanguard Group, Inc.	BUY	34.77	Ordinary	276	276
8-Jun-2022	The Vanguard Group, Inc.	BUY	34.77	Ordinary	942	942
8-Jun-2022	The Vanguard Group, Inc.	BUY	34.77	Ordinary	3,430	3,430
8-Jun-2022	The Vanguard Group, Inc.	SELL	34.77	Ordinary	(26,690)	(26,690)
9-Jun-2022	The Vanguard Group, Inc.	BUY	33.96	Ordinary	432	432
10-Jun-2022	The Vanguard Group, Inc.	BUY	33.74	Ordinary	696	696
13-Jun-2022	The Vanguard Group, Inc.	BUY	32.83	Ordinary	432	432
13-Jun-2022	The Vanguard Group, Inc.	BUY	32.83	Ordinary	816	816
13-Jun-2022	The Vanguard Group, Inc.	BUY	32.83	Ordinary	816	816
14-Jun-2022	The Vanguard Group, Inc.	BUY	33.32	Ordinary	313	313
14-Jun-2022	The Vanguard Group, Inc.	BUY	33.32	Ordinary	317	317
14-Jun-2022	The Vanguard Group, Inc.	BUY	33.32	Ordinary	943	943
14-Jun-2022	The Vanguard Group, Inc.	BUY	33.32	Ordinary	928	928
14-Jun-2022	The Vanguard Group, Inc.	SELL	33.19	Ordinary	(9,335)	(9,335)
14-Jun-2022	The Vanguard Group, Inc.	SELL	33.19	Ordinary	(11,090)	(11,090)
14-Jun-2022	The Vanguard Group, Inc.	BUY	33.19	Ordinary	944	944
14-Jun-2022	The Vanguard Group, Inc.	SELL	32.64	Ordinary	(208)	(208)
15-Jun-2022	The Vanguard Group, Inc.	BUY	32.76	Ordinary	326	326
15-Jun-2022	The Vanguard Group, Inc.	SELL	32.76	Ordinary	(15,552)	(15,552)
16-Jun-2022	The Vanguard Group, Inc.	BUY	32.19	Ordinary	1,632	1,632
17-Jun-2022	The Vanguard Group, Inc.	SELL	32.54	Ordinary	(8,905)	(8,905)
17-Jun-2022	The Vanguard Group, Inc.	BUY	32.54	Ordinary	1,964	1,964
17-Jun-2022	The Vanguard Group, Inc.	BUY	32.54	Ordinary	84	84
20-Jun-2022	The Vanguard Group, Inc.	BUY	33.30	Ordinary	848	848
20-Jun-2022	The Vanguard Group, Inc.	SELL	33.30	Ordinary	(17,688)	(17,688)
21-Jun-2022	The Vanguard Group, Inc.	BUY	32.60	Ordinary	640	640
21-Jun-2022	The Vanguard Group, Inc.	BUY	32.60	Ordinary	320	320
22-Jun-2022	The Vanguard Group, Inc.	BUY	32.17	Ordinary	229	229
24-Jun-2022	The Vanguard Group, Inc.	BUY	33.31	Ordinary	620	620
24-Jun-2022	The Vanguard Group, Inc.	BUY	33.31	Ordinary	298	298
24-Jun-2022	The Vanguard Group, Inc.	BUY	33.65	Ordinary	2,080	2,080
24-Jun-2022	The Vanguard Group, Inc.	BUY	33.65	Ordinary	432	432
27-Jun-2022	The Vanguard Group, Inc.	BUY	33.02	Ordinary	538	538
28-Jun-2022	The Vanguard Group, Inc.	BUY	33.15	Ordinary	299	299
28-Jun-2022	The Vanguard Group, Inc.	BUY	33.15	Ordinary	466	466
28-Jun-2022	The Vanguard Group, Inc.	BUY	32.80	Ordinary	3,108	3,108
29-Jun-2022	The Vanguard Group, Inc.	BUY	32.83	Ordinary	294	294
29-Jun-2022	The Vanguard Group, Inc.	BUY	32.83	Ordinary	842	842
29-Jun-2022	The Vanguard Group, Inc.	BUY	32.83	Ordinary	454	454
29-Jun-2022	The Vanguard Group, Inc.	BUY	32.78	Ordinary	7,790	7,790
29-Jun-2022	The Vanguard Group, Inc.	BUY	32.78	Ordinary	664	664
29-Jun-2022	The Vanguard Group, Inc.	BUY	32.78	Ordinary	807	807
29-Jun-2022	The Vanguard Group, Inc.	BUY	32.78	Ordinary	1,076	1,076
29-Jun-2022	The Vanguard Group, Inc.	BUY	32.78	Ordinary	603	603
29-Jun-2022	The Vanguard Group, Inc.	BUY	32.78	Ordinary	10,891	10,891
30-Jun-2022	The Vanguard Group, Inc.	BUY	33.02	Ordinary	2,560	2,560
30-Jun-2022	The Vanguard Group, Inc.	BUY	33.02	Ordinary	2,150	2,150
30-Jun-2022	The Vanguard Group, Inc.	BUY	33.02	Ordinary	6,450	6,450

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
30-Jun-2022	The Vanguard Group, Inc.	BUY	33.02	Ordinary	8,600	8,600
30-Jun-2022	The Vanguard Group, Inc.	SELL	33.01	Ordinary	(121)	(121)
1-Jul-2022	The Vanguard Group, Inc.	BUY	33.27	Ordinary	6,108	6,108
1-Jul-2022	The Vanguard Group, Inc.	BUY	33.27	Ordinary	5,160	5,160
1-Jul-2022	The Vanguard Group, Inc.	BUY	33.27	Ordinary	2,600	2,600
1-Jul-2022	The Vanguard Group, Inc.	SELL	33.27	Ordinary	(1,888)	(1,888)
5-Jul-2022	The Vanguard Group, Inc.	BUY	33.52	Ordinary	468	468
5-Jul-2022	The Vanguard Group, Inc.	BUY	33.52	Ordinary	234	234
5-Jul-2022	The Vanguard Group, Inc.	BUY	33.49	Ordinary	3,048	3,048
5-Jul-2022	The Vanguard Group, Inc.	BUY	33.49	Ordinary	3,440	3,440
6-Jul-2022	The Vanguard Group, Inc.	BUY	33.38	Ordinary	598	598
6-Jul-2022	The Vanguard Group, Inc.	BUY	33.38	Ordinary	970	970
6-Jul-2022	The Vanguard Group, Inc.	BUY	33.38	Ordinary	472	472
6-Jul-2022	The Vanguard Group, Inc.	BUY	33.52	Ordinary	1,662	1,662
6-Jul-2022	The Vanguard Group, Inc.	BUY	33.52	Ordinary	1,290	1,290
6-Jul-2022	The Vanguard Group, Inc.	BUY	33.52	Ordinary	2,860	2,860
6-Jul-2022	The Vanguard Group, Inc.	BUY	33.47	Ordinary	14,904	14,904
7-Jul-2022	The Vanguard Group, Inc.	BUY	33.35	Ordinary	4,403	4,403
7-Jul-2022	The Vanguard Group, Inc.	BUY	33.42	Ordinary	3,300	3,300
7-Jul-2022	The Vanguard Group, Inc.	BUY	33.35	Ordinary	13,210	13,210
7-Jul-2022	The Vanguard Group, Inc.	BUY	33.23	Ordinary	153	153
8-Jul-2022	The Vanguard Group, Inc.	BUY	33.35	Ordinary	1,720	1,720
11-Jul-2022	The Vanguard Group, Inc.	BUY	33.60	Ordinary	17,610	17,610
12-Jul-2022	The Vanguard Group, Inc.	BUY	33.51	Ordinary	2,540	2,540
12-Jul-2022	The Vanguard Group, Inc.	BUY	33.51	Ordinary	18,920	18,920
12-Jul-2022	The Vanguard Group, Inc.	BUY	33.68	Ordinary	17,563	17,563
12-Jul-2022	The Vanguard Group, Inc.	BUY	33.51	Ordinary	2,600	2,600
12-Jul-2022	The Vanguard Group, Inc.	BUY	33.51	Ordinary	807	807
13-Jul-2022	The Vanguard Group, Inc.	BUY	33.47	Ordinary	12,152	12,152
13-Jul-2022	The Vanguard Group, Inc.	BUY	33.35	Ordinary	538	538
13-Jul-2022	The Vanguard Group, Inc.	BUY	33.46	Ordinary	882	882
14-Jul-2022	The Vanguard Group, Inc.	BUY	33.46	Ordinary	302	302
14-Jul-2022	The Vanguard Group, Inc.	BUY	33.40	Ordinary	538	538
15-Jul-2022	The Vanguard Group, Inc.	BUY	34.03	Ordinary	3,549	3,549
15-Jul-2022	The Vanguard Group, Inc.	BUY	33.95	Ordinary	21,532	21,532
15-Jul-2022	The Vanguard Group, Inc.	BUY	34.03	Ordinary	2,360	2,360
18-Jul-2022	The Vanguard Group, Inc.	BUY	33.99	Ordinary	432	432
19-Jul-2022	The Vanguard Group, Inc.	SELL	33.23	Ordinary	(13,713)	(13,713)
19-Jul-2022	The Vanguard Group, Inc.	BUY	33.10	Ordinary	15,581	15,581
19-Jul-2022	The Vanguard Group, Inc.	BUY	33.23	Ordinary	538	538
19-Jul-2022	The Vanguard Group, Inc.	BUY	33.23	Ordinary	807	807
20-Jul-2022	The Vanguard Group, Inc.	BUY	33.64	Ordinary	1,455	1,455
20-Jul-2022	The Vanguard Group, Inc.	BUY	33.65	Ordinary	1,266	1,266
20-Jul-2022	The Vanguard Group, Inc.	BUY	33.74	Ordinary	10,676	10,676
20-Jul-2022	The Vanguard Group, Inc.	BUY	33.74	Ordinary	12,809	12,809
21-Jul-2022	The Vanguard Group, Inc.	BUY	34.09	Ordinary	13,189	13,189
21-Jul-2022	The Vanguard Group, Inc.	BUY	34.47	Ordinary	1,888	1,888
21-Jul-2022	The Vanguard Group, Inc.	SELL	33.98	Ordinary	(570)	(570)
22-Jul-2022	The Vanguard Group, Inc.	BUY	34.71	Ordinary	13,937	13,937
22-Jul-2022	The Vanguard Group, Inc.	BUY	34.75	Ordinary	8,355	8,355
22-Jul-2022	The Vanguard Group, Inc.	BUY	34.66	Ordinary	2,832	2,832
22-Jul-2022	The Vanguard Group, Inc.	BUY	34.75	Ordinary	861	861
25-Jul-2022	The Vanguard Group, Inc.	SELL	34.45	Ordinary	(1,398)	(1,398)
25-Jul-2022	The Vanguard Group, Inc.	BUY	34.48	Ordinary	12,647	12,647
26-Jul-2022	The Vanguard Group, Inc.	SELL	33.95	Ordinary	(1,673)	(1,673)
26-Jul-2022	The Vanguard Group, Inc.	BUY	33.80	Ordinary	260	260
27-Jul-2022	The Vanguard Group, Inc.	BUY	33.96	Ordinary	5,140	5,140
27-Jul-2022	The Vanguard Group, Inc.	BUY	33.96	Ordinary	807	807
28-Jul-2022	The Vanguard Group, Inc.	BUY	33.51	Ordinary	841	841
28-Jul-2022	The Vanguard Group, Inc.	BUY	33.77	Ordinary	2,565	2,565
28-Jul-2022	The Vanguard Group, Inc.	BUY	33.77	Ordinary	1,416	1,416
28-Jul-2022	The Vanguard Group, Inc.	BUY	33.77	Ordinary	1,416	1,416
1-Aug-2022	The Vanguard Group, Inc.	BUY	35.27	Ordinary	1,690	1,690
2-Aug-2022	The Vanguard Group, Inc.	BUY	35.34	Ordinary	614	614
2-Aug-2022	The Vanguard Group, Inc.	BUY	35.41	Ordinary	1,416	1,416
3-Aug-2022	The Vanguard Group, Inc.	BUY	34.84	Ordinary	8,023	8,023
3-Aug-2022	The Vanguard Group, Inc.	BUY	34.99	Ordinary	1,266	1,266
3-Aug-2022	The Vanguard Group, Inc.	BUY	34.99	Ordinary	3,798	3,798

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
4-Aug-2022	The Vanguard Group, Inc.	BUY	34.82	Ordinary	604	604
4-Aug-2022	The Vanguard Group, Inc.	BUY	34.82	Ordinary	945	945
4-Aug-2022	The Vanguard Group, Inc.	BUY	34.81	Ordinary	1,566	1,566
4-Aug-2022	The Vanguard Group, Inc.	BUY	34.81	Ordinary	1,266	1,266
4-Aug-2022	The Vanguard Group, Inc.	BUY	35.16	Ordinary	11,260	11,260
4-Aug-2022	The Vanguard Group, Inc.	BUY	34.81	Ordinary	3,120	3,120
4-Aug-2022	The Vanguard Group, Inc.	BUY	34.82	Ordinary	102	102
5-Aug-2022	The Vanguard Group, Inc.	SELL	35.60	Ordinary	(696)	(696)
8-Aug-2022	The Vanguard Group, Inc.	BUY	34.88	Ordinary	286	286
8-Aug-2022	The Vanguard Group, Inc.	BUY	35.10	Ordinary	4,126	4,126
8-Aug-2022	The Vanguard Group, Inc.	BUY	34.82	Ordinary	269	269
9-Aug-2022	The Vanguard Group, Inc.	BUY	34.87	Ordinary	1,445	1,445
9-Aug-2022	The Vanguard Group, Inc.	BUY	34.93	Ordinary	12,186	12,186
10-Aug-2022	The Vanguard Group, Inc.	BUY	33.85	Ordinary	281	281
10-Aug-2022	The Vanguard Group, Inc.	BUY	34.06	Ordinary	1,360	1,360
10-Aug-2022	The Vanguard Group, Inc.	BUY	34.42	Ordinary	11,331	11,331
10-Aug-2022	The Vanguard Group, Inc.	BUY	34.06	Ordinary	3,192	3,192
10-Aug-2022	The Vanguard Group, Inc.	BUY	34.06	Ordinary	3,724	3,724
10-Aug-2022	The Vanguard Group, Inc.	BUY	34.06	Ordinary	6,384	6,384
10-Aug-2022	The Vanguard Group, Inc.	BUY	34.06	Ordinary	2,660	2,660
10-Aug-2022	The Vanguard Group, Inc.	BUY	33.85	Ordinary	10,237	10,237
10-Aug-2022	The Vanguard Group, Inc.	BUY	34.06	Ordinary	6,500	6,500
10-Aug-2022	The Vanguard Group, Inc.	BUY	34.06	Ordinary	432	432
10-Aug-2022	The Vanguard Group, Inc.	BUY	34.06	Ordinary	1,614	1,614
11-Aug-2022	The Vanguard Group, Inc.	BUY	34.75	Ordinary	10,283	10,283
11-Aug-2022	The Vanguard Group, Inc.	BUY	34.68	Ordinary	538	538
15-Aug-2022	The Vanguard Group, Inc.	BUY	33.81	Ordinary	1,416	1,416
15-Aug-2022	The Vanguard Group, Inc.	BUY	33.81	Ordinary	1,416	1,416
16-Aug-2022	The Vanguard Group, Inc.	BUY	34.24	Ordinary	2,652	2,652
16-Aug-2022	The Vanguard Group, Inc.	BUY	34.27	Ordinary	2,128	2,128
17-Aug-2022	The Vanguard Group, Inc.	BUY	34.37	Ordinary	944	944
18-Aug-2022	The Vanguard Group, Inc.	BUY	34.10	Ordinary	604	604
18-Aug-2022	The Vanguard Group, Inc.	BUY	34.18	Ordinary	1,380	1,380
19-Aug-2022	The Vanguard Group, Inc.	BUY	34.02	Ordinary	4,203	4,203
19-Aug-2022	The Vanguard Group, Inc.	BUY	33.99	Ordinary	345	345
22-Aug-2022	The Vanguard Group, Inc.	BUY	33.15	Ordinary	4,256	4,256
22-Aug-2022	The Vanguard Group, Inc.	BUY	33.43	Ordinary	12,670	12,670
23-Aug-2022	The Vanguard Group, Inc.	BUY	33.16	Ordinary	2,660	2,660
24-Aug-2022	The Vanguard Group, Inc.	BUY	35.30	Ordinary	1,950	1,950
29-Aug-2022	The Vanguard Group, Inc.	BUY	34.17	Ordinary	2,660	2,660
29-Aug-2022	The Vanguard Group, Inc.	BUY	34.17	Ordinary	807	807
30-Aug-2022	The Vanguard Group, Inc.	BUY	34.35	Ordinary	1,391	1,391
31-Aug-2022	The Vanguard Group, Inc.	BUY	34.00	Ordinary	986	986
31-Aug-2022	The Vanguard Group, Inc.	BUY	34.00	Ordinary	2,659	2,659
31-Aug-2022	The Vanguard Group, Inc.	BUY	34.00	Ordinary	8,153	8,153
31-Aug-2022	The Vanguard Group, Inc.	BUY	34.00	Ordinary	10,622	10,622
31-Aug-2022	The Vanguard Group, Inc.	BUY	33.80	Ordinary	432	432
31-Aug-2022	The Vanguard Group, Inc.	BUY	34.23	Ordinary	2,125	2,125
1-Sep-2022	The Vanguard Group, Inc.	BUY	33.72	Ordinary	844	844
1-Sep-2022	The Vanguard Group, Inc.	BUY	33.72	Ordinary	1,856	1,856
1-Sep-2022	The Vanguard Group, Inc.	SELL	33.89	Ordinary	(1,187)	(1,187)
1-Sep-2022	The Vanguard Group, Inc.	BUY	33.95	Ordinary	1,076	1,076
2-Sep-2022	The Vanguard Group, Inc.	BUY	33.45	Ordinary	3,780	3,780
2-Sep-2022	The Vanguard Group, Inc.	BUY	33.45	Ordinary	2,700	2,700
2-Sep-2022	The Vanguard Group, Inc.	BUY	33.45	Ordinary	1,614	1,614
2-Sep-2022	The Vanguard Group, Inc.	SELL	33.61	Ordinary	(155)	(155)
5-Sep-2022	The Vanguard Group, Inc.	BUY	33.55	Ordinary	9,257	9,257
5-Sep-2022	The Vanguard Group, Inc.	BUY	33.55	Ordinary	15,466	15,466
6-Sep-2022	The Vanguard Group, Inc.	BUY	32.23	Ordinary	568	568
6-Sep-2022	The Vanguard Group, Inc.	BUY	32.23	Ordinary	164	164
6-Sep-2022	The Vanguard Group, Inc.	BUY	32.77	Ordinary	2,804	2,804
6-Sep-2022	The Vanguard Group, Inc.	BUY	32.18	Ordinary	538	538
7-Sep-2022	The Vanguard Group, Inc.	BUY	32.20	Ordinary	11,145	11,145
7-Sep-2022	The Vanguard Group, Inc.	BUY	32.48	Ordinary	2,600	2,600
7-Sep-2022	The Vanguard Group, Inc.	BUY	32.48	Ordinary	5,200	5,200
7-Sep-2022	The Vanguard Group, Inc.	SELL	32.20	Ordinary	(66,803)	(66,803)
8-Sep-2022	The Vanguard Group, Inc.	BUY	32.77	Ordinary	279	279
8-Sep-2022	The Vanguard Group, Inc.	BUY	32.77	Ordinary	326	326

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
9-Sep-2022	The Vanguard Group, Inc.	BUY	32.55	Ordinary	560	560
9-Sep-2022	The Vanguard Group, Inc.	BUY	32.75	Ordinary	2,700	2,700
12-Sep-2022	The Vanguard Group, Inc.	BUY	33.15	Ordinary	4,320	4,320
12-Sep-2022	The Vanguard Group, Inc.	BUY	33.15	Ordinary	2,470	2,470
13-Sep-2022	The Vanguard Group, Inc.	BUY	32.50	Ordinary	2,210	2,210
13-Sep-2022	The Vanguard Group, Inc.	SELL	33.25	Ordinary	(802)	(802)
14-Sep-2022	The Vanguard Group, Inc.	SELL	32.44	Ordinary	(23,763)	(23,763)
15-Sep-2022	The Vanguard Group, Inc.	BUY	31.74	Ordinary	268	268
16-Sep-2022	The Vanguard Group, Inc.	BUY	31.40	Ordinary	542	542
16-Sep-2022	The Vanguard Group, Inc.	BUY	31.40	Ordinary	464	464
16-Sep-2022	The Vanguard Group, Inc.	SELL	31.54	Ordinary	(14,556)	(14,556)
16-Sep-2022	The Vanguard Group, Inc.	SELL	31.40	Ordinary	(5,629)	(5,629)
16-Sep-2022	The Vanguard Group, Inc.	BUY	31.40	Ordinary	13,590	13,590
16-Sep-2022	The Vanguard Group, Inc.	SELL	31.40	Ordinary	(2,013)	(2,013)
16-Sep-2022	The Vanguard Group, Inc.	BUY	31.38	Ordinary	538	538
19-Sep-2022	The Vanguard Group, Inc.	BUY	30.83	Ordinary	1,935	1,935
19-Sep-2022	The Vanguard Group, Inc.	BUY	30.83	Ordinary	546	546
20-Sep-2022	The Vanguard Group, Inc.	BUY	30.62	Ordinary	95	95
21-Sep-2022	The Vanguard Group, Inc.	BUY	30.32	Ordinary	810	810
21-Sep-2022	The Vanguard Group, Inc.	BUY	30.11	Ordinary	3,228	3,228
21-Sep-2022	The Vanguard Group, Inc.	BUY	30.11	Ordinary	432	432
21-Sep-2022	The Vanguard Group, Inc.	BUY	30.27	Ordinary	15,801	15,801
22-Sep-2022	The Vanguard Group, Inc.	BUY	29.97	Ordinary	819	819
23-Sep-2022	The Vanguard Group, Inc.	BUY	29.67	Ordinary	532	532
23-Sep-2022	The Vanguard Group, Inc.	BUY	29.67	Ordinary	1,904	1,904
23-Sep-2022	The Vanguard Group, Inc.	BUY	29.67	Ordinary	17,574	17,574
23-Sep-2022	The Vanguard Group, Inc.	BUY	29.67	Ordinary	1,958	1,958
26-Sep-2022	The Vanguard Group, Inc.	BUY	29.95	Ordinary	534	534
26-Sep-2022	The Vanguard Group, Inc.	BUY	29.95	Ordinary	258	258
26-Sep-2022	The Vanguard Group, Inc.	BUY	29.95	Ordinary	842	842
26-Sep-2022	The Vanguard Group, Inc.	BUY	29.95	Ordinary	705	705
26-Sep-2022	The Vanguard Group, Inc.	BUY	29.95	Ordinary	7,084	7,084
26-Sep-2022	The Vanguard Group, Inc.	BUY	29.98	Ordinary	1,385	1,385
26-Sep-2022	The Vanguard Group, Inc.	BUY	29.98	Ordinary	4,304	4,304
26-Sep-2022	The Vanguard Group, Inc.	BUY	29.98	Ordinary	1,935	1,935
27-May-2022	Vanguard Investments Australia Ltd.	SELL	36.51	Ordinary	(1,212)	(1,212)
30-May-2022	Vanguard Investments Australia Ltd.	BUY	37.12	Ordinary	3,920	3,920
1-Jun-2022	Vanguard Investments Australia Ltd.	BUY	36.62	Ordinary	1,074	1,074
1-Jun-2022	Vanguard Investments Australia Ltd.	SELL	36.62	Ordinary	(4,844)	(4,844)
3-Jun-2022	Vanguard Investments Australia Ltd.	BUY	35.64	Ordinary	4,716	4,716
7-Jun-2022	Vanguard Investments Australia Ltd.	BUY	34.00	Ordinary	22,344	22,344
8-Jun-2022	Vanguard Investments Australia Ltd.	BUY	34.77	Ordinary	4,704	4,704
10-Jun-2022	Vanguard Investments Australia Ltd.	BUY	33.74	Ordinary	7,820	7,820
14-Jun-2022	Vanguard Investments Australia Ltd.	BUY	33.32	Ordinary	1,955	1,955
14-Jun-2022	Vanguard Investments Australia Ltd.	BUY	33.32	Ordinary	3,128	3,128
14-Jun-2022	Vanguard Investments Australia Ltd.	BUY	33.32	Ordinary	5,865	5,865
17-Jun-2022	Vanguard Investments Australia Ltd.	BUY	32.54	Ordinary	5,096	5,096
17-Jun-2022	Vanguard Investments Australia Ltd.	BUY	32.54	Ordinary	45,645	45,645
17-Jun-2022	Vanguard Investments Australia Ltd.	BUY	32.54	Ordinary	3,298	3,298
23-Jun-2022	Vanguard Investments Australia Ltd.	BUY	33.00	Ordinary	1,985	1,985
23-Jun-2022	Vanguard Investments Australia Ltd.	BUY	33.00	Ordinary	2,779	2,779
23-Jun-2022	Vanguard Investments Australia Ltd.	BUY	33.00	Ordinary	3,970	3,970
23-Jun-2022	Vanguard Investments Australia Ltd.	SELL	33.00	Ordinary	(1,966)	(1,966)
27-Jun-2022	Vanguard Investments Australia Ltd.	BUY	33.07	Ordinary	2,786	2,786
28-Jun-2022	Vanguard Investments Australia Ltd.	BUY	33.15	Ordinary	1,985	1,985
28-Jun-2022	Vanguard Investments Australia Ltd.	BUY	33.15	Ordinary	1,985	1,985
28-Jun-2022	Vanguard Investments Australia Ltd.	BUY	33.15	Ordinary	3,176	3,176
28-Jun-2022	Vanguard Investments Australia Ltd.	BUY	33.15	Ordinary	3,970	3,970
29-Jun-2022	Vanguard Investments Australia Ltd.	SELL	32.83	Ordinary	(1,191)	(1,191)
30-Jun-2022	Vanguard Investments Australia Ltd.	SELL	33.01	Ordinary	(51,998)	(51,998)
1-Jul-2022	Vanguard Investments Australia Ltd.	BUY	32.94	Ordinary	2,716	2,716
1-Jul-2022	Vanguard Investments Australia Ltd.	BUY	32.94	Ordinary	3,104	3,104
1-Jul-2022	Vanguard Investments Australia Ltd.	BUY	32.94	Ordinary	3,880	3,880
4-Jul-2022	Vanguard Investments Australia Ltd.	BUY	33.37	Ordinary	3,870	3,870
7-Jul-2022	Vanguard Investments Australia Ltd.	BUY	33.23	Ordinary	1,086	1,086
11-Jul-2022	Vanguard Investments Australia Ltd.	BUY	33.65	Ordinary	3,870	3,870
13-Jul-2022	Vanguard Investments Australia Ltd.	SELL	33.46	Ordinary	(17,857)	(17,857)
14-Jul-2022	Vanguard Investments Australia Ltd.	BUY	33.46	Ordinary	2,534	2,534

Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
15-Jul-2022	Vanguard Investments Australia Ltd.	BUY	33.95	Ordinary	2,702	2,702
15-Jul-2022	Vanguard Investments Australia Ltd.	SELL	33.95	Ordinary	(5,018)	(5,018)
20-Jul-2022	Vanguard Investments Australia Ltd.	BUY	33.64	Ordinary	3,080	3,080
20-Jul-2022	Vanguard Investments Australia Ltd.	BUY	33.64	Ordinary	7,700	7,700
21-Jul-2022	Vanguard Investments Australia Ltd.	BUY	34.39	Ordinary	17,836	17,836
22-Jul-2022	Vanguard Investments Australia Ltd.	BUY	34.75	Ordinary	5,790	5,790
28-Jul-2022	Vanguard Investments Australia Ltd.	BUY	33.51	Ordinary	5,820	5,820
28-Jul-2022	Vanguard Investments Australia Ltd.	BUY	33.51	Ordinary	724	724
2-Aug-2022	Vanguard Investments Australia Ltd.	BUY	35.34	Ordinary	1,945	1,945
4-Aug-2022	Vanguard Investments Australia Ltd.	BUY	34.82	Ordinary	5,850	5,850
4-Aug-2022	Vanguard Investments Australia Ltd.	BUY	34.82	Ordinary	1,448	1,448
4-Aug-2022	Vanguard Investments Australia Ltd.	BUY	34.82	Ordinary	1,810	1,810
8-Aug-2022	Vanguard Investments Australia Ltd.	BUY	34.88	Ordinary	1,950	1,950
16-Aug-2022	Vanguard Investments Australia Ltd.	BUY	34.24	Ordinary	1,960	1,960
18-Aug-2022	Vanguard Investments Australia Ltd.	BUY	34.10	Ordinary	2,358	2,358
19-Aug-2022	Vanguard Investments Australia Ltd.	BUY	34.09	Ordinary	5,910	5,910
24-Aug-2022	Vanguard Investments Australia Ltd.	BUY	35.24	Ordinary	5,910	5,910
31-Aug-2022	Vanguard Investments Australia Ltd.	BUY	34.00	Ordinary	7,840	7,840
1-Sep-2022	Vanguard Investments Australia Ltd.	BUY	33.72	Ordinary	1,970	1,970
5-Sep-2022	Vanguard Investments Australia Ltd.	BUY	33.62	Ordinary	9,875	9,875
8-Sep-2022	Vanguard Investments Australia Ltd.	BUY	32.77	Ordinary	2,772	2,772
9-Sep-2022	Vanguard Investments Australia Ltd.	BUY	32.55	Ordinary	9,900	9,900
12-Sep-2022	Vanguard Investments Australia Ltd.	BUY	33.02	Ordinary	1,980	1,980
16-Sep-2022	Vanguard Investments Australia Ltd.	BUY	31.40	Ordinary	61,275	61,275
16-Sep-2022	Vanguard Investments Australia Ltd.	BUY	31.40	Ordinary	3,984	3,984
19-Sep-2022	Vanguard Investments Australia Ltd.	BUY	30.67	Ordinary	1,990	1,990
20-Sep-2022	Vanguard Investments Australia Ltd.	BUY	30.52	Ordinary	1,995	1,995
23-Sep-2022	Vanguard Investments Australia Ltd.	BUY	29.67	Ordinary	3,192	3,192
23-Sep-2022	Vanguard Investments Australia Ltd.	BUY	29.67	Ordinary	7,980	7,980

This is Annexure A of 5 pages referred to in Form 603, Notice of initial substantial holder.

Signature: _____



Name: Shawn Acker _____

Capacity: Compliance Manager _____

Date: 29 September 2022 _____