

**Form 603**  
Corporations Act 2001  
Section 671B

**Notice of initial substantial holder**

To Company Name/Scheme Treasury Wine Estate Limited  
ACN/ARSN 004 373 862

**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 October 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)
<b>Ordinary</b>	<b>36,123,795</b>	<b>36,123,795</b>	<b>5.004%</b>
Note: Vanguard Group also holds 54,291 shares of Treasury Wine Estate 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
<b>Vanguard Group</b>	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.	<b>Ordinary – 36,123,795</b>

**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
<b>Vanguard Group</b>	<b>Brown Brothers Harriman</b>	Various funds and accounts of Vanguard Group	<b>Ordinary – 2,103,506</b>
<b>Vanguard Group</b>	<b>BNY Mellon</b>	Various funds and accounts of Vanguard Group	<b>Ordinary – 2,333,837</b>
<b>Vanguard Group</b>	<b>JP Morgan Chase Bank, N.A.</b>	Various funds and accounts of Vanguard Group	<b>Ordinary – 25,482,424</b>
<b>Vanguard Group</b>	<b>State Street Bank and Trust Company</b>	Various funds and accounts of Vanguard Group	<b>Ordinary – 6,204,028</b>

**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
<b>See Annexure A</b>			

**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 31 October 2022

## 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.

To Company Treasury Wine Estate Limited  
ACN/ARSN 004 373 862

Substantial Holder Name Vanguard Group  
ACN/ARSN 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
28-Jun-2022	The Vanguard Group, Inc.	BUY	11.45	Ordinary	732	732
28-Jun-2022	The Vanguard Group, Inc.	BUY	11.35	Ordinary	4,866	4,866
29-Jun-2022	The Vanguard Group, Inc.	BUY	11.54	Ordinary	1,267	1,267
29-Jun-2022	The Vanguard Group, Inc.	BUY	11.54	Ordinary	718	718
29-Jun-2022	The Vanguard Group, Inc.	BUY	11.45	Ordinary	12,615	12,615
29-Jun-2022	The Vanguard Group, Inc.	BUY	11.54	Ordinary	1,184	1,184
30-Jun-2022	The Vanguard Group, Inc.	BUY	11.36	Ordinary	4,035	4,035
30-Jun-2022	The Vanguard Group, Inc.	BUY	11.36	Ordinary	3,290	3,290
30-Jun-2022	The Vanguard Group, Inc.	BUY	11.36	Ordinary	9,870	9,870
30-Jun-2022	The Vanguard Group, Inc.	BUY	11.36	Ordinary	13,160	13,160
30-Jun-2022	The Vanguard Group, Inc.	SELL	11.36	Ordinary	(252)	(252)
1-Jul-2022	The Vanguard Group, Inc.	BUY	11.50	Ordinary	9,636	9,636
1-Jul-2022	The Vanguard Group, Inc.	BUY	11.50	Ordinary	7,896	7,896
1-Jul-2022	The Vanguard Group, Inc.	BUY	11.50	Ordinary	4,680	4,680
5-Jul-2022	The Vanguard Group, Inc.	BUY	11.27	Ordinary	362	362
5-Jul-2022	The Vanguard Group, Inc.	BUY	11.27	Ordinary	724	724
5-Jul-2022	The Vanguard Group, Inc.	BUY	11.26	Ordinary	4,818	4,818
5-Jul-2022	The Vanguard Group, Inc.	BUY	11.26	Ordinary	5,264	5,264
6-Jul-2022	The Vanguard Group, Inc.	BUY	11.30	Ordinary	2,848	2,848
6-Jul-2022	The Vanguard Group, Inc.	BUY	11.30	Ordinary	728	728
6-Jul-2022	The Vanguard Group, Inc.	BUY	11.36	Ordinary	1,974	1,974
6-Jul-2022	The Vanguard Group, Inc.	BUY	11.36	Ordinary	5,148	5,148
7-Jul-2022	The Vanguard Group, Inc.	BUY	11.36	Ordinary	5,760	5,760
7-Jul-2022	The Vanguard Group, Inc.	BUY	11.29	Ordinary	393	393
8-Jul-2022	The Vanguard Group, Inc.	BUY	11.43	Ordinary	2,632	2,632
11-Jul-2022	The Vanguard Group, Inc.	BUY	11.36	Ordinary	55,190	55,190
11-Jul-2022	The Vanguard Group, Inc.	BUY	11.36	Ordinary	7,265	7,265
11-Jul-2022	The Vanguard Group, Inc.	BUY	11.34	Ordinary	51,832	51,832
12-Jul-2022	The Vanguard Group, Inc.	BUY	11.25	Ordinary	3,990	3,990
12-Jul-2022	The Vanguard Group, Inc.	BUY	11.25	Ordinary	28,952	28,952
12-Jul-2022	The Vanguard Group, Inc.	BUY	11.25	Ordinary	4,680	4,680
15-Jul-2022	The Vanguard Group, Inc.	BUY	11.62	Ordinary	5,593	5,593
19-Jul-2022	The Vanguard Group, Inc.	SELL	11.57	Ordinary	(21,870)	(21,870)
19-Jul-2022	The Vanguard Group, Inc.	BUY	11.50	Ordinary	32,433	32,433
20-Jul-2022	The Vanguard Group, Inc.	BUY	11.60	Ordinary	1,968	1,968
21-Jul-2022	The Vanguard Group, Inc.	BUY	11.60	Ordinary	37,829	37,829
22-Jul-2022	The Vanguard Group, Inc.	BUY	11.84	Ordinary	13,140	13,140
25-Jul-2022	The Vanguard Group, Inc.	SELL	11.71	Ordinary	(2,184)	(2,184)
26-Jul-2022	The Vanguard Group, Inc.	SELL	12.00	Ordinary	(2,583)	(2,583)
26-Jul-2022	The Vanguard Group, Inc.	BUY	11.96	Ordinary	468	468
27-Jul-2022	The Vanguard Group, Inc.	BUY	12.28	Ordinary	8,120	8,120
28-Jul-2022	The Vanguard Group, Inc.	BUY	12.23	Ordinary	1,266	1,266
28-Jul-2022	The Vanguard Group, Inc.	BUY	12.32	Ordinary	4,110	4,110
29-Jul-2022	The Vanguard Group, Inc.	BUY	12.27	Ordinary	35,438	35,438
1-Aug-2022	The Vanguard Group, Inc.	SELL	12.23	Ordinary	(3,243)	(3,243)
1-Aug-2022	The Vanguard Group, Inc.	BUY	12.30	Ordinary	3,035	3,035
3-Aug-2022	The Vanguard Group, Inc.	BUY	12.32	Ordinary	1,968	1,968
3-Aug-2022	The Vanguard Group, Inc.	BUY	12.32	Ordinary	5,904	5,904
4-Aug-2022	The Vanguard Group, Inc.	BUY	12.41	Ordinary	1,106	1,106
4-Aug-2022	The Vanguard Group, Inc.	BUY	12.41	Ordinary	1,422	1,422
4-Aug-2022	The Vanguard Group, Inc.	BUY	12.41	Ordinary	2,457	2,457
4-Aug-2022	The Vanguard Group, Inc.	BUY	12.41	Ordinary	1,968	1,968
4-Aug-2022	The Vanguard Group, Inc.	BUY	12.43	Ordinary	29,443	29,443
4-Aug-2022	The Vanguard Group, Inc.	BUY	12.41	Ordinary	5,616	5,616
5-Aug-2022	The Vanguard Group, Inc.	SELL	12.52	Ordinary	(1,077)	(1,077)
9-Aug-2022	The Vanguard Group, Inc.	BUY	12.32	Ordinary	2,754	2,754
9-Aug-2022	The Vanguard Group, Inc.	BUY	12.37	Ordinary	28,875	28,875
10-Aug-2022	The Vanguard Group, Inc.	BUY	12.35	Ordinary	2,272	2,272
10-Aug-2022	The Vanguard Group, Inc.	BUY	12.35	Ordinary	4,962	4,962
10-Aug-2022	The Vanguard Group, Inc.	BUY	12.35	Ordinary	5,789	5,789
10-Aug-2022	The Vanguard Group, Inc.	BUY	12.35	Ordinary	9,924	9,924
10-Aug-2022	The Vanguard Group, Inc.	BUY	12.35	Ordinary	4,135	4,135
10-Aug-2022	The Vanguard Group, Inc.	BUY	12.35	Ordinary	11,700	11,700
11-Aug-2022	The Vanguard Group, Inc.	BUY	12.49	Ordinary	29,107	29,107

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
16-Aug-2022	The Vanguard Group, Inc.	BUY	12.60	Ordinary	3,312	3,312
18-Aug-2022	The Vanguard Group, Inc.	BUY	13.14	Ordinary	1,312	1,312
18-Aug-2022	The Vanguard Group, Inc.	BUY	13.17	Ordinary	2,320	2,320
19-Aug-2022	The Vanguard Group, Inc.	BUY	13.39	Ordinary	575	575
22-Aug-2022	The Vanguard Group, Inc.	BUY	13.44	Ordinary	6,736	6,736
23-Aug-2022	The Vanguard Group, Inc.	BUY	13.19	Ordinary	4,210	4,210
24-Aug-2022	The Vanguard Group, Inc.	BUY	13.31	Ordinary	3,510	3,510
25-Aug-2022	The Vanguard Group, Inc.	BUY	13.35	Ordinary	21,854	21,854
29-Aug-2022	The Vanguard Group, Inc.	BUY	13.12	Ordinary	4,210	4,210
30-Aug-2022	The Vanguard Group, Inc.	BUY	13.33	Ordinary	3,879	3,879
31-Aug-2022	The Vanguard Group, Inc.	BUY	13.19	Ordinary	29,164	29,164
1-Sep-2022	The Vanguard Group, Inc.	BUY	13.24	Ordinary	1,275	1,275
1-Sep-2022	The Vanguard Group, Inc.	BUY	13.24	Ordinary	2,984	2,984
1-Sep-2022	The Vanguard Group, Inc.	BUY	13.20	Ordinary	41,146	41,146
2-Sep-2022	The Vanguard Group, Inc.	BUY	13.12	Ordinary	5,922	5,922
2-Sep-2022	The Vanguard Group, Inc.	BUY	13.12	Ordinary	4,230	4,230
2-Sep-2022	The Vanguard Group, Inc.	SELL	13.16	Ordinary	(270)	(270)
5-Sep-2022	The Vanguard Group, Inc.	BUY	13.18	Ordinary	33,025	33,025
6-Sep-2022	The Vanguard Group, Inc.	BUY	13.25	Ordinary	1,314	1,314
6-Sep-2022	The Vanguard Group, Inc.	BUY	13.25	Ordinary	306	306
7-Sep-2022	The Vanguard Group, Inc.	BUY	13.34	Ordinary	9,360	9,360
7-Sep-2022	The Vanguard Group, Inc.	BUY	13.34	Ordinary	4,680	4,680
8-Sep-2022	The Vanguard Group, Inc.	BUY	13.49	Ordinary	689	689
8-Sep-2022	The Vanguard Group, Inc.	BUY	13.49	Ordinary	602	602
9-Sep-2022	The Vanguard Group, Inc.	BUY	13.31	Ordinary	1,338	1,338
9-Sep-2022	The Vanguard Group, Inc.	BUY	13.40	Ordinary	4,230	4,230
12-Sep-2022	The Vanguard Group, Inc.	BUY	13.47	Ordinary	6,768	6,768
12-Sep-2022	The Vanguard Group, Inc.	BUY	13.47	Ordinary	4,446	4,446
13-Sep-2022	The Vanguard Group, Inc.	BUY	13.43	Ordinary	3,978	3,978
14-Sep-2022	The Vanguard Group, Inc.	SELL	13.39	Ordinary	(34,314)	(34,314)
15-Sep-2022	The Vanguard Group, Inc.	BUY	13.26	Ordinary	659	659
16-Sep-2022	The Vanguard Group, Inc.	BUY	13.10	Ordinary	2,498	2,498
16-Sep-2022	The Vanguard Group, Inc.	BUY	13.10	Ordinary	780	780
19-Sep-2022	The Vanguard Group, Inc.	BUY	13.04	Ordinary	4,065	4,065
20-Sep-2022	The Vanguard Group, Inc.	BUY	12.75	Ordinary	228	228
21-Sep-2022	The Vanguard Group, Inc.	BUY	12.96	Ordinary	1,818	1,818
21-Sep-2022	The Vanguard Group, Inc.	BUY	12.90	Ordinary	5,088	5,088
23-Sep-2022	The Vanguard Group, Inc.	BUY	12.55	Ordinary	1,182	1,182
23-Sep-2022	The Vanguard Group, Inc.	BUY	12.72	Ordinary	34,249	34,249
23-Sep-2022	The Vanguard Group, Inc.	BUY	12.72	Ordinary	3,535	3,535
26-Sep-2022	The Vanguard Group, Inc.	BUY	12.58	Ordinary	1,182	1,182
26-Sep-2022	The Vanguard Group, Inc.	BUY	12.58	Ordinary	574	574
26-Sep-2022	The Vanguard Group, Inc.	BUY	12.58	Ordinary	1,260	1,260
26-Sep-2022	The Vanguard Group, Inc.	BUY	12.58	Ordinary	1,152	1,152
26-Sep-2022	The Vanguard Group, Inc.	BUY	12.58	Ordinary	11,255	11,255
26-Sep-2022	The Vanguard Group, Inc.	BUY	12.61	Ordinary	6,784	6,784
26-Sep-2022	The Vanguard Group, Inc.	BUY	12.61	Ordinary	4,065	4,065
27-Sep-2022	The Vanguard Group, Inc.	BUY	12.71	Ordinary	673	673
27-Sep-2022	The Vanguard Group, Inc.	BUY	12.71	Ordinary	303	303
27-Sep-2022	The Vanguard Group, Inc.	BUY	12.68	Ordinary	2,444	2,444
27-Sep-2022	The Vanguard Group, Inc.	BUY	12.68	Ordinary	813	813
28-Sep-2022	The Vanguard Group, Inc.	BUY	12.58	Ordinary	1,316	1,316
28-Sep-2022	The Vanguard Group, Inc.	BUY	12.58	Ordinary	1,316	1,316
28-Sep-2022	The Vanguard Group, Inc.	BUY	12.58	Ordinary	30,614	30,614
29-Sep-2022	The Vanguard Group, Inc.	BUY	12.73	Ordinary	2,722	2,722
29-Sep-2022	The Vanguard Group, Inc.	BUY	12.67	Ordinary	2,488	2,488
3-Oct-2022	The Vanguard Group, Inc.	SELL	12.52	Ordinary	(2,300)	(2,300)
3-Oct-2022	The Vanguard Group, Inc.	BUY	12.50	Ordinary	2,488	2,488
3-Oct-2022	The Vanguard Group, Inc.	BUY	12.50	Ordinary	4,065	4,065
4-Oct-2022	The Vanguard Group, Inc.	BUY	12.67	Ordinary	1,854	1,854
4-Oct-2022	The Vanguard Group, Inc.	BUY	12.78	Ordinary	2,488	2,488
4-Oct-2022	The Vanguard Group, Inc.	BUY	12.78	Ordinary	2,488	2,488
4-Oct-2022	The Vanguard Group, Inc.	BUY	12.78	Ordinary	3,732	3,732
4-Oct-2022	The Vanguard Group, Inc.	BUY	12.78	Ordinary	2,624	2,624
5-Oct-2022	The Vanguard Group, Inc.	BUY	12.95	Ordinary	1,264	1,264
5-Oct-2022	The Vanguard Group, Inc.	BUY	12.95	Ordinary	352	352
5-Oct-2022	The Vanguard Group, Inc.	BUY	12.84	Ordinary	39,164	39,164
6-Oct-2022	The Vanguard Group, Inc.	BUY	13.00	Ordinary	1,269	1,269
6-Oct-2022	The Vanguard Group, Inc.	BUY	12.95	Ordinary	52,104	52,104
7-Oct-2022	The Vanguard Group, Inc.	BUY	12.95	Ordinary	367	367
7-Oct-2022	The Vanguard Group, Inc.	BUY	12.95	Ordinary	20,345	20,345

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
10-Oct-2022	The Vanguard Group, Inc.	BUY	12.89	Ordinary	39,717	39,717
11-Oct-2022	The Vanguard Group, Inc.	SELL	12.92	Ordinary	(1,083)	(1,083)
11-Oct-2022	The Vanguard Group, Inc.	BUY	12.90	Ordinary	2,544	2,544
12-Oct-2022	The Vanguard Group, Inc.	BUY	12.82	Ordinary	308	308
12-Oct-2022	The Vanguard Group, Inc.	BUY	12.90	Ordinary	6,934	6,934
12-Oct-2022	The Vanguard Group, Inc.	BUY	12.77	Ordinary	6,784	6,784
13-Oct-2022	The Vanguard Group, Inc.	SELL	12.68	Ordinary	(39,006)	(39,006)
14-Oct-2022	The Vanguard Group, Inc.	BUY	12.83	Ordinary	3,076	3,076
17-Oct-2022	The Vanguard Group, Inc.	BUY	12.77	Ordinary	2,710	2,710
20-Oct-2022	The Vanguard Group, Inc.	BUY	12.77	Ordinary	6,784	6,784
21-Oct-2022	The Vanguard Group, Inc.	BUY	12.75	Ordinary	3,095	3,095
21-Oct-2022	The Vanguard Group, Inc.	BUY	12.75	Ordinary	2,476	2,476
21-Oct-2022	The Vanguard Group, Inc.	BUY	12.75	Ordinary	5,088	5,088
21-Oct-2022	The Vanguard Group, Inc.	BUY	12.75	Ordinary	5,936	5,936
21-Oct-2022	The Vanguard Group, Inc.	BUY	12.75	Ordinary	4,592	4,592
24-Oct-2022	The Vanguard Group, Inc.	BUY	12.68	Ordinary	28,777	28,777
25-Oct-2022	The Vanguard Group, Inc.	SELL	12.73	Ordinary	(1,158)	(1,158)
25-Oct-2022	The Vanguard Group, Inc.	BUY	12.79	Ordinary	2,516	2,516
25-Oct-2022	The Vanguard Group, Inc.	BUY	12.85	Ordinary	46,679	46,679
26-Oct-2022	The Vanguard Group, Inc.	SELL	12.71	Ordinary	(2,663)	(2,663)
26-Oct-2022	The Vanguard Group, Inc.	BUY	12.69	Ordinary	12,563	12,563
26-Oct-2022	The Vanguard Group, Inc.	BUY	12.63	Ordinary	6,864	6,864
26-Oct-2022	The Vanguard Group, Inc.	BUY	12.63	Ordinary	7,632	7,632
26-Oct-2022	The Vanguard Group, Inc.	BUY	12.63	Ordinary	5,420	5,420
27-Jun-2022	Vanguard Investments Australia Ltd.	BUY	11.42	Ordinary	4,179	4,179
28-Jun-2022	Vanguard Investments Australia Ltd.	BUY	11.45	Ordinary	2,980	2,980
28-Jun-2022	Vanguard Investments Australia Ltd.	BUY	11.45	Ordinary	2,980	2,980
28-Jun-2022	Vanguard Investments Australia Ltd.	BUY	11.45	Ordinary	4,768	4,768
28-Jun-2022	Vanguard Investments Australia Ltd.	BUY	11.45	Ordinary	5,960	5,960
28-Jun-2022	Vanguard Investments Australia Ltd.	BUY	11.45	Ordinary	2,575	2,575
29-Jun-2022	Vanguard Investments Australia Ltd.	SELL	11.54	Ordinary	(1,791)	(1,791)
30-Jun-2022	Vanguard Investments Australia Ltd.	SELL	11.36	Ordinary	(95,354)	(95,354)
1-Jul-2022	Vanguard Investments Australia Ltd.	BUY	11.36	Ordinary	4,074	4,074
1-Jul-2022	Vanguard Investments Australia Ltd.	BUY	11.36	Ordinary	4,656	4,656
1-Jul-2022	Vanguard Investments Australia Ltd.	BUY	11.36	Ordinary	5,820	5,820
4-Jul-2022	Vanguard Investments Australia Ltd.	BUY	11.37	Ordinary	5,820	5,820
4-Jul-2022	Vanguard Investments Australia Ltd.	BUY	11.37	Ordinary	2,530	2,530
6-Jul-2022	Vanguard Investments Australia Ltd.	BUY	11.30	Ordinary	2,530	2,530
7-Jul-2022	Vanguard Investments Australia Ltd.	BUY	11.29	Ordinary	4,554	4,554
8-Jul-2022	Vanguard Investments Australia Ltd.	BUY	11.43	Ordinary	2,024	2,024
11-Jul-2022	Vanguard Investments Australia Ltd.	BUY	11.36	Ordinary	5,800	5,800
13-Jul-2022	Vanguard Investments Australia Ltd.	BUY	11.38	Ordinary	2,530	2,530
15-Jul-2022	Vanguard Investments Australia Ltd.	BUY	11.58	Ordinary	4,046	4,046
15-Jul-2022	Vanguard Investments Australia Ltd.	SELL	11.58	Ordinary	(7,514)	(7,514)
18-Jul-2022	Vanguard Investments Australia Ltd.	BUY	11.49	Ordinary	2,530	2,530
20-Jul-2022	Vanguard Investments Australia Ltd.	BUY	11.60	Ordinary	4,600	4,600
20-Jul-2022	Vanguard Investments Australia Ltd.	BUY	11.60	Ordinary	11,500	11,500
22-Jul-2022	Vanguard Investments Australia Ltd.	BUY	11.84	Ordinary	8,610	8,610
22-Jul-2022	Vanguard Investments Australia Ltd.	BUY	11.84	Ordinary	2,016	2,016
26-Jul-2022	Vanguard Investments Australia Ltd.	BUY	12.00	Ordinary	2,016	2,016
28-Jul-2022	Vanguard Investments Australia Ltd.	BUY	12.23	Ordinary	8,625	8,625
1-Aug-2022	Vanguard Investments Australia Ltd.	BUY	12.33	Ordinary	1,008	1,008
1-Aug-2022	Vanguard Investments Australia Ltd.	BUY	12.33	Ordinary	2,016	2,016
2-Aug-2022	Vanguard Investments Australia Ltd.	BUY	12.32	Ordinary	2,875	2,875
3-Aug-2022	Vanguard Investments Australia Ltd.	BUY	12.27	Ordinary	1,512	1,512
3-Aug-2022	Vanguard Investments Australia Ltd.	BUY	12.27	Ordinary	2,520	2,520
4-Aug-2022	Vanguard Investments Australia Ltd.	BUY	12.41	Ordinary	8,655	8,655
5-Aug-2022	Vanguard Investments Australia Ltd.	BUY	12.52	Ordinary	2,016	2,016
8-Aug-2022	Vanguard Investments Australia Ltd.	BUY	12.39	Ordinary	2,875	2,875
9-Aug-2022	Vanguard Investments Australia Ltd.	BUY	12.32	Ordinary	504	504
12-Aug-2022	Vanguard Investments Australia Ltd.	BUY	12.37	Ordinary	2,525	2,525
16-Aug-2022	Vanguard Investments Australia Ltd.	BUY	12.57	Ordinary	2,850	2,850
16-Aug-2022	Vanguard Investments Australia Ltd.	BUY	12.57	Ordinary	2,020	2,020
18-Aug-2022	Vanguard Investments Australia Ltd.	BUY	13.14	Ordinary	3,432	3,432
18-Aug-2022	Vanguard Investments Australia Ltd.	BUY	13.14	Ordinary	1,012	1,012
19-Aug-2022	Vanguard Investments Australia Ltd.	BUY	13.42	Ordinary	8,580	8,580
24-Aug-2022	Vanguard Investments Australia Ltd.	BUY	13.29	Ordinary	8,715	8,715
24-Aug-2022	Vanguard Investments Australia Ltd.	BUY	13.29	Ordinary	1,521	1,521
25-Aug-2022	Vanguard Investments Australia Ltd.	BUY	13.39	Ordinary	2,028	2,028
31-Aug-2022	Vanguard Investments Australia Ltd.	BUY	13.19	Ordinary	11,700	11,700
31-Aug-2022	Vanguard Investments Australia Ltd.	BUY	13.19	Ordinary	1,524	1,524

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
31-Aug-2022	Vanguard Investments Australia Ltd.	BUY	13.19	Ordinary	2,032	2,032
1-Sep-2022	Vanguard Investments Australia Ltd.	BUY	13.24	Ordinary	2,950	2,950
2-Sep-2022	Vanguard Investments Australia Ltd.	BUY	13.16	Ordinary	1,533	1,533
5-Sep-2022	Vanguard Investments Australia Ltd.	BUY	13.18	Ordinary	14,800	14,800
7-Sep-2022	Vanguard Investments Australia Ltd.	BUY	13.28	Ordinary	3,078	3,078
8-Sep-2022	Vanguard Investments Australia Ltd.	BUY	13.49	Ordinary	4,158	4,158
8-Sep-2022	Vanguard Investments Australia Ltd.	BUY	13.49	Ordinary	1,545	1,545
8-Sep-2022	Vanguard Investments Australia Ltd.	BUY	13.49	Ordinary	12,903	12,903
9-Sep-2022	Vanguard Investments Australia Ltd.	BUY	13.31	Ordinary	14,875	14,875
12-Sep-2022	Vanguard Investments Australia Ltd.	BUY	13.43	Ordinary	2,970	2,970
13-Sep-2022	Vanguard Investments Australia Ltd.	BUY	13.63	Ordinary	1,030	1,030
13-Sep-2022	Vanguard Investments Australia Ltd.	BUY	13.63	Ordinary	2,060	2,060
14-Sep-2022	Vanguard Investments Australia Ltd.	BUY	13.39	Ordinary	1,545	1,545
15-Sep-2022	Vanguard Investments Australia Ltd.	BUY	13.26	Ordinary	1,542	1,542
19-Sep-2022	Vanguard Investments Australia Ltd.	BUY	12.97	Ordinary	3,000	3,000
20-Sep-2022	Vanguard Investments Australia Ltd.	BUY	13.09	Ordinary	3,005	3,005
20-Sep-2022	Vanguard Investments Australia Ltd.	BUY	13.09	Ordinary	1,539	1,539
23-Sep-2022	Vanguard Investments Australia Ltd.	BUY	12.55	Ordinary	4,808	4,808
23-Sep-2022	Vanguard Investments Australia Ltd.	BUY	12.55	Ordinary	12,020	12,020
26-Sep-2022	Vanguard Investments Australia Ltd.	BUY	12.58	Ordinary	3,084	3,084
27-Sep-2022	Vanguard Investments Australia Ltd.	BUY	12.71	Ordinary	5,418	5,418
27-Sep-2022	Vanguard Investments Australia Ltd.	BUY	12.71	Ordinary	1,542	1,542
28-Sep-2022	Vanguard Investments Australia Ltd.	BUY	12.58	Ordinary	2,056	2,056
29-Sep-2022	Vanguard Investments Australia Ltd.	BUY	12.73	Ordinary	5,400	5,400
29-Sep-2022	Vanguard Investments Australia Ltd.	BUY	12.73	Ordinary	2,056	2,056
30-Sep-2022	Vanguard Investments Australia Ltd.	SELL	12.57	Ordinary	(16,800)	(16,800)
3-Oct-2022	Vanguard Investments Australia Ltd.	BUY	12.38	Ordinary	5,319	5,319
3-Oct-2022	Vanguard Investments Australia Ltd.	BUY	12.38	Ordinary	11,820	11,820
4-Oct-2022	Vanguard Investments Australia Ltd.	BUY	12.67	Ordinary	1,509	1,509
5-Oct-2022	Vanguard Investments Australia Ltd.	BUY	12.95	Ordinary	3,552	3,552
7-Oct-2022	Vanguard Investments Australia Ltd.	BUY	12.95	Ordinary	1,006	1,006
11-Oct-2022	Vanguard Investments Australia Ltd.	BUY	12.92	Ordinary	4,158	4,158
11-Oct-2022	Vanguard Investments Australia Ltd.	BUY	12.92	Ordinary	2,012	2,012
13-Oct-2022	Vanguard Investments Australia Ltd.	BUY	12.68	Ordinary	2,012	2,012
14-Oct-2022	Vanguard Investments Australia Ltd.	SELL	12.69	Ordinary	(13,932)	(13,932)
17-Oct-2022	Vanguard Investments Australia Ltd.	BUY	12.70	Ordinary	2,985	2,985
18-Oct-2022	Vanguard Investments Australia Ltd.	BUY	12.96	Ordinary	11,940	11,940
18-Oct-2022	Vanguard Investments Australia Ltd.	BUY	12.96	Ordinary	1,006	1,006
19-Oct-2022	Vanguard Investments Australia Ltd.	BUY	13.05	Ordinary	1,006	1,006
25-Oct-2022	Vanguard Investments Australia Ltd.	BUY	12.73	Ordinary	13,156	13,156
26-Oct-2022	Vanguard Investments Australia Ltd.	BUY	12.64	Ordinary	3,582	3,582
26-Oct-2022	Vanguard Investments Australia Ltd.	BUY	12.64	Ordinary	2,515	2,515

This is Annexure A of 4 pages referred to in Form 603, Notice of initial substantial holder.

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 31 October 2022