



Major references-Pressure Vessels

S No	Client	Qty (Nos)	Design		Material of Construction	Shell			Type	Empty Weight
			Pr	Temp		ID	TL to TL	Thk		
			(Kg/ cm ²)	(Deg C)		(mm)				(Kgs)
1	DOLLINGER IRELAND LIMITED	9	0.02	85	SA516 GR70(N)	990	1000	6	VERT.	600
2	OITC GROUP / QATAR PETROLEUM	1	3.059	350	SA516 GR70(N)	2700	3600	8	HOR.	4068
3	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	10.89	93	SA516 GR60(N)	1300	3900	12	VERT.	3402
4	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	10.89	93	SA516 GR60(N)	1300	3900	12	VERT.	3402
5	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	10.89	93	SA516 GR60(N)	1800	5700	14	VERT.	7500
6	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	10.89	93	SA516 GR60(N)	1800	5700	14	VERT.	7500
7	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	10.89	93	SA516 GR60(N)	1700	5100	14	VERT.	5400
8	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	10.89	93	SA516 GR60(N)	1700	5100	14	VERT.	5400
9	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	50.76 FV	93	SA516 GR60(N)	800	1200	10	HOR.	1000
10	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	10.89	93	SA516 GR60(N)	1300	3900	12	VERT.	3402



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11	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	10.89	93	SA516 GR60(N)	1300	3900	12	VERT.	3402
12	CMI BELGIUM, MARTIGUES II PROJECT, FRANCE	1	35.69	244.2	SA516 GR70(N)	1460	11200	30	HOR.	16800
13	CMI BELGIUM, MARTIGUES II PROJECT, FRANCE	1	11.21	188	SA516 GR70(N)	1368	11200	16	HOR.	9200
14	CMI BELGIUM, MARTIGUES II PROJECT, FRANCE	1	4.08	450	SA387GR12CL2	1476	3400	12	VER.	3866
15	CMI BELGIUM, MARTIGUES II PROJECT, FRANCE	1	11.21	330.8	SA387GR11CL2	742	1714	10	VER.	2167
16	CMI BELGIUM, BLENOD PROJECT, FRANCE	1	35.69	244.2	SA516 GR70(N)	1350	11160	25	HOR.	14800
17	CMI BELGIUM, BLENOD PROJECT, FRANCE	1	9.177	1799	SA516 GR70(N)	2760	13300	20	HOR.	19000
18	CMI BELGIUM, BLENOD PROJECT, FRANCE	1	4.07	4500	SA387GR12CL2	1476	3400	12	VER.	4822
19	CMI BELGIUM, BLENOD PROJECT, FRANCE	1	11.21	33.8	SA387GR11CL2	742	1114	10	VER.	2167
20	TERMOCHIMICA, SAN SEVERO PROJECT, ITALY	1	12/FV	257	SA516 GR70(N)	2700	6130	15/16	HOR.	1510
21	TERMOCHIMICA, BAYET PROJECT, FRANCE	1	12/FV	257	SA516 GR70(N)	2700	6130	15/16	HOR.	1510



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			(Kg/cm ²)	(Deg C)		(mm)				(Kgs)
22	TERMOCHIMICA, THISVI PROJECT, GREECE	1	9.5/ FV	257	SA516 GR70(N)	2400	6130	12	HOR.	1140
23	TERMOCHIMICA, LIVADIA PROJECT, GREECE	1	12/ FV	257	SA516 GR70(N)	2700	6130	15/ 16	HOR.	1510
24	TERMOCHIMICA, MARCINELLE PROJECT, BELGIUM	1	12/FV	257	SA516 GR70(N)	2700	6130	15/ 16	HOR.	1510
25	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	3.51/ FV	93	SA516 GR60(N) +NACE MR0175 +NACE TM0284	1800	5400	12	HOR.	6250
26	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	3.6/ FV	93	SA516 GR60(N) +NACE MR0175 +NACE TM0284	900	3400	10	HOR.	2250
27	TERMOCHIMICA DDP HYDROCRACKERS COMPLEX PROJECT, CROAZIA	1	3.6/ FV	240	SA516 GR70(N)	2700/ 1500	8120/ 3100	13/ 10	HOR.	16400
28	TERMOCHIMICA DDP QAFCO PROJECT, QATAR	1	3.8/ FV	255	SA516 GR70(N)/ SA 240 316 L	1200/ 598	2100/ 1642	8/ 6	HOR.	2400
29	TERMOCHIMICA DDP QAFCO PROJECT, QATAR	1	6.32/ FV	255	SA516 GR70(N)/ SA 240 316 L	3400/ 2000	10130/ 4100	12/ 10	HOR.	22500
30	TERMOCHIMICA DDP QAFCO PROJECT, QATAR	1	6.32/ FV	255	SA516 GR70(N)/ SA 240 316 L	3700/ 2300	11150/ 4100	13/ 10	HOR.	28800
31	TERMOCHIMICA DDP QAFCO PROJECT, QATAR	1	6.32/ FV	255	SA516 GR70(N)/ SA 240 316 L	3100/ 2000	10130/ 4100	12/ 10	HOR.	22500
32	CMI BELGIUM, MARTIGUES I PROJECT, FRANCE	1	35.69	244.2	SA516 GR70(N)	1440	11200	30	HOR.	16800



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			Pr	Temp		ID	TL to TL	Thk		
			(Kg/cm ²)	(Deg C)		(mm)				(Kgs)
33	CMI BELGIUM, MARTIGUES I PROJECT, FRANCE	1	11.22	188	SA516 GR70(N)	1368	11200	16	HOR.	9200
34	CMI BELGIUM, MARTIGUES I PROJECT, FRANCE	1	4.08	450	SA 387 GR12 CL.2	2476	2026	12	VER.	4900
35	CMI BELGIUM, MARTIGUES I PROJECT, FRANCE	1	11.21	330.8	SA387GR11CL2	742	1715	10	VER.	2167
36	KUWAIT OIL COMPANY	1	17.58	148.8	SA106 GRB +NACE MR0175 +NACE TM0284	248	1050	12.70	VER.	225
37	KUWAIT OIL COMPANY	1	17.58	148.8	SA106 GRB +NACE MR0175 +NACE TM0284	248	1000	12.70	VER.	200
38	KUWAIT OIL COMPANY	1	17.58	148.8	SA106 GRB +NACE MR0175 +NACE TM0284	248	1050	12.7	VER.	225
39	KUWAIT OIL COMPANY	1	17.58	148.8	SA106 GRB +NACE MR0175 +NACE TM0284	590	3148	10	HOR.	900
40	KUWAIT OIL COMPANY	1	17.58	148.8	SA516 GR60(N) +NACE MR0175 +NACE TM0284	586	1320	12	HOR.	425
41	KUWAIT OIL COMPANY	1	17.58	148.8	SA516 GR60(N) +NACE MR0175 +NACE TM0284	586	1320	12	HOR.	400
42	KUWAIT OIL COMPANY	1	47.80	148.8	SA516 GR60(N) +NACE MR0175 +NACE TM0284	480	2655	14	HOR.	1925



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			(Kg/cm ²)	(Deg C)		(mm)				(Kgs)
43	KUWAIT OIL COMPANY	1	17.58	148.8	SA516 GR60(N) +NACE MR0175 +NACE TM0284	590	3148	10	HOR.	900
44	KUWAIT OIL COMPANY	1	3.57	93	SA516 GR60(N) +NACE MR0175 +NACE TM0284	914	2134	10	VERT.	1200
45	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	6.12	93	SA516 GR60(N) +NACE MR0175 +NACE TM0284	3000	7000	12/16	HOR.	11700
46	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	25.49	93	SA516 GR60(N) +NACE MR0175 +NACE TM0284	2600	5400	32/36	HOR.	18100
47	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	26.93	93	SA516 GR60(N) +NACE MR0175 +NACE TM0284	1100	2700	16/20	VER.	3500
48	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	3.59	93	SA516 GR60(N) +NACE MR0175 +NACE TM0284	1100	2350	10/14	HOR.	2100
49	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	8.67	93	SA516 GR60(N) +NACE MR0175 +NACE TM0284	1300	3250	10/14	VER.	2250
50	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	14.06	93	SA106 GRB +NACE MR0175 +NACE TM0284	381	2510	12.70	VER.	650
51	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	3.56/FV	93	SA516 GR60(N) +NACE MR0175 +NACE TM0284	2250	5100	12/16	HOR.	10750
52	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	18.84	93	SA516 GR60(N) +NACE MR0175 +NACE TM0284	1800	4200	18/22	HOR.	6000
53	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	8.67	93	SA516 GR60(N) +NACE MR0175 +NACE TM0284	2000	5000	12/16	VER.	5400



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			(Kg/cm ²)	(Deg C)		(mm)				(Kgs)
54	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	14.06	93	SA106 GR B +NACE MR0175 +NACE TM0284	381	2550	12.70	VER.	800
55	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	8.67	93	SA516 GR60(N) +NACE MR0175 +NACE TM0284	2000	5000	12/16	VER.	5400
56	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	14.06	93	SA106 GR B +NACE MR0175 +NACE TM0284	381	2550	12.70	VER.	800
57	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	15.12	93	SA516 GR60(N) +NACE MR0175 +NACE TM0284	1140	3250	12/16	VER.	3400
58	SAFWAN PETROLEUM / KUWAIT OIL COMPANY	1	3.56/FV	93	SA516 GR60(N) +NACE MR0175 +NACE TM0284	1600	6300	10/14	HOR.	7200
59	CMI, BELGIUM. AZ ZOUR POWER PLANT, KUWAIT	2	11.22 / F.V	188	SA 516 GR 70 N	2800	6200	18	VER	15000
60	TERMOCHIMICA, LOTOS, POLOND	1	6.56 / F.V	260	SA 516 GR 70 S5	3400	9500	15	HOR.	20100
61	TERMOCHIMICA, LOTOS, POLOND	1	6.56/ F.V	260	SA 240 304L	2300	2700	12	VER.	6700
62	TERMOCHIMICA, RAS LAFFAN, QATAR	1	5.62 / F.V	190	SA 516 GR 70 N	600	1507	6	VER	800
63	TERMOCHIMICA, RAS LAFFAN, QATAR	1	5.62 / F.V	190	SA 516 GR 70 N	1000	2100	10	HOR	1300
64	ABJ ENGINEERING & CONT. CO	1	7.03	94	SA 516 GR 70 N	2032	3200	10	VER	5058



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			(Kg/cm ²)	(Deg C)		(mm)				(Kgs)
65	TERMOCHIMICA, RAS ABU FONTAS, QATAR	1	6.5 / F.V	168	SA 516 GR 70 N	2700	7620	12	HOR.	16300
66	TERMOCHIMICA, RAS ABU FONTAS, QATAR	1	6.5 / F.V	168	SA 516 GR 70 N	2972	16250	12	HOR.	21500
67	TERMOCHIMICA, RAS ABU FONTAS, QATAR	1	6.5 / F.V	168	SA 516 GR 70 N	2700	7620	12	HOR.	16300
68	TERMOCHIMICA, RAS ABU FONTAS, QATAR	1	6.5 / F.V	168	SA 516 GR 70 N	2972	16250	12	HOR.	21500
69	PALL EUROPE LTD.	1	15.7	150	SA 240 304L	496	1577	6	HOR	600
70	NOOTER / ERIKSEN	1	3.5	148 / -29	SA 516 GR 70 N	1500	3350	10	VER.	2500
71	NOOTER / ERIKSEN	1	3.5	148 / -29	SA 516 GR 70 N	1500	3350	10	VER.	2500
72	NOOTER / ERIKSEN	1	3.5	148 / -29	SA 516 GR 70 N	1500	3350	10	VER.	2500
73	CMI BELGIUM, KUREIMAT III PROJECT, EGYPT	1	9.7	182.4	SA 516 GR 70 N	2640	2820	20	HOR	9300
74	CMI BELGIUM, KUREIMAT III PROJECT, EGYPT	1	9.7	182.4	SA 516 GR 70 N	2460	2820	20	HOR	9300
75	CMI BELGIUM, KUREIMAT III PROJECT, EGYPT	1	4.07	450 / 0.1	SA 387 GR12 CL.2	1476	3000	14	VER.	3592
76	CMI BELGIUM, KUREIMAT III PROJECT, EGYPT	1	4.07	450 / 0.1	SA 387 GR12 CL.2	1476	3000	14	VER.	3592



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			(Kg/cm ²)	(Deg C)		(mm)				(Kgs)
77	TERMOCHIMICA, EL-KUREIMAT, EGYPT	1	6 / F.V	310	SA 516 GR 70 N	3200	10750	16	HOR.	20500
78	CMI BELGIUM, KUREIMAT III PROJECT, EGYPT	1	34.6	242.5	SA 516 GR 70 N	2820	2930	40	HOR	17800
79	CMI BELGIUM, KUREIMAT III PROJECT, EGYPT	1	34.6	242.5	SA 516 GR 70 N	2820	2930	40	HOR	17800
80	TERMOCHIMICA, EL-KUREIMAT, EGYPT	1	6 / F.V	310	SA 516 GR 70 N	2730	8150	16	HOR.	19300
81	TERMOCHIMICA, IZDEMIR, TURKEY	5	6.25 / F.V	165	SA 516 GR 70 N	2000	3870	12	VER.	6000
82	TERMOCHIMICA, IZDEMIR, TURKEY	1	2 / 0.5 V	204	SA 516 GR 70 N	1600	3100	10	HOR.	2400
83	TERMOCHIMICA, IZMIT, TURKEY	1	2 / 0.5 V	204	SA 516 GR 70 N	1400	2120	8	VER.	3400
84	CMI, BELGIUM. AZ ZOUR POWER PLANT, KUWAIT	1	4.07	450 / -6	SA 387 GR12 CL.2	2026	3100	12	VER.	4450
85	CMI, BELGIUM.,AZ ZOUR POWER PLANT, KUWAIT	1	4.07	450 / -6	SA 387 GR12 CL.2	2026	3100	12	VER.	4450
86	CMI, BELGIUM, AZ ZOUR POWER PLANT, KUWAIT	1	4.07	450 / -6	SA 387 GR12 CL.2	2026	3100	12	VER.	4450
87	CMI, BELGIUM. AZ ZOUR POWER PLANT, KUWAIT	1	4.07	450 / -6	SA 387 GR12 CL.2	2026	3100	12	VER.	4450
88	CMI, BELGIUM. AZ ZOUR POWER PLANT, KUWAIT	1	4.07	450 / -6	SA 387 GR12 CL.2	2026	3100	12	VER.	4450



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89	CMI, BELGIUM. AZ ZOUR POWER PLANT, KUWAIT	1	4.07	450 / -6	SA 387 GR12 CL.2	2026	3100	12	VER.	4450
90	CMI, BELGIUM. AZ ZOUR POWER PLANT, KUWAIT	1	4.07	450 / -6	SA 387 GR12 CL.2	2026	3100	12	VER.	4450
91	CMI, BELGIUM. AZ ZOUR POWER PLANT, KUWAIT	1	4.07	450 / -6	SA 387 GR12 CL.2	2026	3100	12	VER.	4450
92	CMI, BELGIUM. AZ ZOUR POWER PLANT, KUWAIT	1	11.2	188	SA 516 GR 70 N	1460	7000	20	HOR.	8300
93	CMI, BELGIUM. AZ ZOUR POWER PLANT, KUWAIT	1	11.2	188	SA 516 GR 70 N	1460	7000	20	HOR.	8300
94	CMI, BELGIUM. AZ ZOUR POWER PLANT, KUWAIT	1	11.2	188	SA 516 GR 70 N	1460	7000	20	HOR.	8300
95	CMI, BELGIUM. AZ ZOUR POWER PLANT, KUWAIT	1	11.2	188	SA 516 GR 70 N	1460	7000	20	HOR.	8300
96	CMI, BELGIUM. AZ ZOUR POWER PLANT, KUWAIT	1	11.2	188	SA 516 GR 70 N	1460	7000	20	HOR.	8300
97	CMI, BELGIUM. AZ ZOUR POWER PLANT, KUWAIT	1	11.2	188	SA 516 GR 70 N	1460	7000	20	HOR.	8300
98	CMI, BELGIUM. AZ ZOUR POWER PLANT, KUWAIT	1	11.2	188	SA 516 GR 70 N	1460	7000	20	HOR.	8300



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99	CMI, BELGIUM. AZ ZOUR POWER PLANT, KUWAIT	1	11.2	188	SA 516 GR 70 N	1460	7000	20	HOR.	8300
100	UOP / KPPC	1	15.0/ 0.175	150/150	SA 516 GR 70 N	1000	3800	10	HOR.	2050
101	UOP / KPPC	1	13.5/ F.V.	150/150	SA 516 GR 70 N	700	2800	8	HOR.	1180
102	UOP / KPPC	1	24.6/ F.V.	149/50	SA 516 GR 70 N	1524	2743	19	VERT.	4660
103	UOP / KPPC	1	44.5/ F.V.	120/50	SA 516 GR 70 N	2500	3200	44	VERT.	19380
104	UOP / KPPC	1	44.5/ F.V.	120/50	SA 516 GR 70 N	2000	6200	36	VERT.	22730
105	UOP/KPPC	1	5.17	120	SA 516 GR 70 N	3800	14750	14	VERT.	28340
106	TKSC (DOW+PIC)	2	26	150	SA 516 GR 70 N	2300	7310	30	VERT.	19390 (EACH)
107	TKSC (DOW+PIC)	1	10.2	200	SA 516 GR 70 N	2700	3600	16	VERT	8100
108	TKSC (DOW+PIC)	1	12.2	200	SA 516 GR 70 N	2670	5340	20	VERT	11180
109	TKSC (DOW+PIC)	1	20	250	SA 516 GR 70 N	1500	3000	18	VERT	4260
110	TKSC (DOW+PIC)	1	10.2	150	SA 516 GR 70 N	1395	2092	10	VERT	1710
111	TKSC (DOW+PIC)	1	0.51	150	SA 516 GR 70 N	3110	4640	14	HOR.	10850



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			(Kg/cm ²)	(Deg C)		(mm)				
112	TKSC (DOW+PIC)	1	0.51	150	SA 516 GR 70 N	3287	3944	14	VERT	9100
113	TKSC (DOW+PIC)	1	12.2	200	SA 516 GR 70 N	3336	6671	22	VERT	22510
114	TKSC (DOW+PIC)	1	1	150	SA 516 GR 70 N	6500	9500	22	VERT	82800
115	TKSC (DOW+PIC)	1	3.5	250	SA 516 GR 70 N	2500	6000	14	HOR.	10620
116	TKSC (DOW+PIC)	1	57	399	SA 516 GR 70 N	1400	3050	45	HOR.	8850
117	TKSC (DOW+PIC)	1	5.6	165	SA 516 GR 70 N	2438	10771	16	VERT	17610
118	TKSC (DOW+PIC)	1	20.9	250	SA 516 GR 70 N	1300	2600	16	HOR.	2500
119	TKSC (DOW+PIC)	1	20	260	SA 516 GR 70 N	2627	6568	26	VERT	17900
120	TKSC (DOW+PIC)	1	0.1	200	SA 516 GR 70 N	4600	9200	18	VERT	33200
121	TKSC (DOW+PIC)	1	17	230	SA 516 GR 70 N	2800	7320	26	HOR.	20100
122	TKSC (DOW+PIC)	1	3.5	205	SA 516 GR 70 N	2300	7320	14	HOR.	8600
123	TKSC (DOW+PIC)	1	3.5	170	SA 516 GR 70 N	2000	5490	12	HOR.	6400
124	TKSC (DOW+PIC)	1	3.5	205	SA 516 GR 70 N	1800	3660	12	HOR.	4700



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125	TKSC (DOW+PIC)	1	0.5	150	SA 516 GR 70 N	3000	11000	14	HOR.	16900
126	TKSC (DOW+PIC)	1	0.5	150	SA 516 GR 70 N	4070	4890	15	VERT	13800
127	TKSC (DOW+PIC)	1	20	250	SA 516 GR 70 N	1300	2600	16	HOR	3200
128	TKSC (DOW+PIC)	1	3	150	SA 516 GR 70 N	3000	7000	14	HOR.	12600
129	TKSC (DOW+PIC)	1	1	150	SA 516 GR 70 N	4000	5330	16	VERT	14600
130	TKSC (DOW+PIC)	1	11.21	200	SA 516 GR 70 N	1933	5800	14	HOR.	6100
131	TKSC (DOW+PIC)	2	10.5	232	SA 516 GR 70 N	1680	12630	14	VERT	11200 (EACH)
132	TKSC (DOW+PIC)	2	12.24	200	SA 516 GR 70 N	1200	2640	10	VERT	1800 (EACH)
133	TKSC (DOW+PIC)	1	12.24	200	SA 516 GR 70 N	1475	3250	12	VERT	2900
134	UOP / KPPC	1	3.5	120	SA 516 GR 70	3800	14750	14	VERT.	28340
135	KOC	1	3.51	260	SA 240 316 L	2118	7720	8	HOR.	8050
136	HYUNDAI	2	2.39	82	SA 516 GR 70	2000	7000	12	HOR.	6175 (EACH)
137	HYUNDAI	2	17.58	82	SA 516 GR 70	1200	2000	10	HOR.	1641 (EACH)



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			(Kg/ cm2)	(Deg C)		(mm)				
138	HYUNDAI	2	17.58	82.2	SA 516 GR 70	1600	3000	16	HOR.	3250 (EACH)
139	HYUNDAI	1	2.32	46	SA 516 GR 70	1500	3200	10	HOR.	2590
140	KNPC	1	25.31	215	SA 516 GR 70	1250	4500	18	VERT.	5000
141	CALLIDUS	1	3.51		SA 516 GR 70	2500	4000	18		6000
142	PEERLESS	6	67.85	85	SA 516 GR 70	914	3835	32	VERT.	5170 (EACH)
143	PEERLESS	3	3.51	38	SA 516 GR 70	793	5791	10	HOR.	1315 (EACH)
144	PEERLESS	6	38.66	260	516 GR 70	578	2262	16	VERT.	794 (EACH)
145	PERRY	1	18.49	85	SA 516 GR 485	1676	5437	12	VERT.	4365
146	PEERLESS	3	5.97	80	SA 516 GR 70 N	1020	1550		VERT.	2800