

LLOYD'S REGISTER OF SHIPPING

UNITED WITH THE BRITISH CORPORATION REGISTER



Part
H.C.No. of

Port of Hilbringen

20th September 1952

Order No. 1281
Voyage No. 2721758
2721759

This is to Certify that

3. Material

the undersigned Surveyor to this Society did, at the request

of Messrs. P. Schreyer sen. & Co., Oslo, attend the works of Messrs. Forges et Ateliers de Völklingen at Völklingen/Sarre on the 20th March 1952 and subsequent dates for the purpose of examining and testing the material rolled there to the order of Messrs. P. Eriksen of Bergen.

Hot and cold tests were taken from bars of each melt and diameter and the results were found satisfactory as shown on the attached schedule of tests.

Chemical analyses as stated by the Steel makers are also shown on the attached schedule.

The bars were generally examined and found satisfactory.

For identification the bars are stamped on one end as follows:

272 175
HM 2/3
2721758
2721759

Werk No.
Quality
Order No.
Sample No.

3. Specification

No.	Size	Length	Despatch	Charge	Sample
No.	mm	mm	weight kg	No.	No.

1	1 1/2"	100"	985	7946	115
2	1 1/2"	100"	985	7946	115
3	1 1/2"	100"	985	7946	115
4	1 1/2"	100"	985	7946	115
5	1 1/2"	100"	985	7946	115
6	1 1/2"	100"	985	7946	115
7	1 1/2"	100"	985	7946	115
8	1 1/2"	100"	985	7946	115
9	1 1/2"	100"	985	7946	115
10	1 1/2"	100"	985	7946	115



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Foundation

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Sheet No. 2 217W
272115a

No. of Bars	Sizes mm	Lengths mm	Despatch weights kg	Charge No.	Sample No.
15	1 5/8"	9000-9800	1445	7729	130
21	1 3/4"	9000-9900	2378	7729	123
18	1 7/8"	9000-9500	2320	7729	133
15	2"	8100-9000	2154	7729	138
9	2 1/8"	9500-9800	1554	7729	134
8	2 1/8"	7400-8300	1104	7729	(134)
11	2 1/4"	9100-9800	2130	7729	135
1	2 1/4"	8300	169	7729	(135)
10	2 1/2"	9100-10100	2192	7729	139
16	2 1/2"	9100-10000	3954	7729	(139)
4	2 3/4"	9200-10000	3172	7729	140
2	2 3/4"	7800- 8000	484	7729	(140)
6	2 7/8"	9900-10100	2098	7598	107
1	3"	8400	378	8067	(128)
1	3"	10000	458	8067	128
4	3"	9500-10000	1778	8067	(128)
4	3"	9500-10000	2202	8067	127
2	3"	10000	1121	8067	(127)
4	3"	9500-10000	2201	8067	(127)
1	3 1/4"	7800	493	8067	(119)
4	3 1/4"	8000-8800	2128	7729	118
4	3 1/4"	7500-8000	2128	7729	120
6	3 1/4"	7600	3135	8067	119
6	3 1/2"	7000-8000	4650	7946	121 "Mil 50"
1	3 1/2"	7200	604	8067	(122)
3	3 1/2"	7100-7200	1317	8067	122
5	3 1/2"	9000-9200	1760	7946	111
1	3 1/2"	8000	844	7946	(111)
6	3 1/2"	10800-11900	10983	7946	112
2	3 1/2"	11000	3106	8162	125
2	3 1/2"	10000	3248	8162	126
3	3 1/2"	9150-9750	5016	8067	113
2	3 1/2"	12000-121000	4855	8610	141
1	3 1/2"	9900	2273	8162	144
1	3 1/2"	10500	2632	8162	145
2	3 1/2"	10000-11000	5413	8610	142

Results of tests

Sample No.	Charge No.	Yield point kg/mm ²	Tensile strength kg/mm ²	Elongation % on 50 mm	Red. of Area %
107	7598	29.0	53.5	29.0	59.0
111	7446	28.5	44.2	24.0	37.2
112	7946	29.3	44.2	27.0	41.0
113	8067	28.1	49.3	28.0	48.0
116	7946	37.9	49.5	28.0	51.5
118	7446	35.3	49.5	28.0	49.9
119	7729	27.7	49.3	32.0	57.0
123	8067	27.3	49.3	32.0	49.0
125	8162	29.5	48.9	32.0	59.0
126	8162	31.1	49.2	32.0	57.0
128	8067	28.5	48.8	32.0	55.9

Order 4281
 No. 272175W
 272175a

Sample No.	Charge No.	Yield point kg/mm ²	Tensile strength kg/mm ²	Elongation % on 50 mm	Red. of Area %
123	7729	32.6	54.6	30.0	59.0
125	8162	24.5	48.9	30.0	48.2
126	8162	26.1	49.1	20.0	54.8
127	8067	28.1	49.8	31.0	58.0
128	8067	26.1	49.5	32.0	58.0
129	7729	32.2	53.0	33.0	61.0
130	7729	29.7	49.8	34.0	60.0
133	7729	33.4	52.0	32.0	61.0
134	7729	31.8	51.2	32.0	60.0
135	7729	31.8	51.0	32.0	61.0
137	8325	33.4	53.8	32.0	61.2
138	7729	29.8	51.2	32.0	60.0
139	7729	30.6	50.8	33.0	59.0
140	7729	32.2	51.6	32.0	59.0
141	8610	25.0	48.9	29.0	45.3
142	8610	24.5	48.7	31.0	45.8
143	7729	33.0	52.4	33.0	62.0
144	8162	24.6	49.1	30.0	47.0
145	8162	24.5	49.2	30.0	47.0
146	8162	32.6	50.6	33.0	62.0
147	8162	31.6	50.2		

All bend tests (180 degree) satisfactory.

Chemical Analysis:

Charge No.	C %	Mn %	Si %	P %	S %
7598	0.26	0.63	0.29	0.026	0.028
7946	0.30	0.55	0.30	0.020	0.029
8067	0.23	0.52	0.24	0.018	0.026
7729	0.23	0.57	0.23	0.020	0.027
8162	0.24	0.46	0.23	0.022	0.032
8325	0.26	0.75	0.28	0.024	0.029
8610	0.26	0.46	0.26	0.018	0.025



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