

# DET DANSKE STAALVÆRKS A/S

THE DANISH STEEL WORKS LTD.



AALBORG VÆRFT A/S

## Certificate for plates

AALBORG

Order no. Your order no.

189 1301-270/LAG

Yard

0

Disp. no.

Shipped by

M/S VERONA NORD

Frederiksværk, d.  
Denmark

9.11.61 12490

Certificate no.

1

DERES ADR

SHELL CROWN

BOILER QUALITY 41/47 M/LLOYDS REGISTERS & NORSK & BUREAU VERITAS TEST

Marks	Thickness	Lengths	Widths	Type	Kgs	Ingot no.	Heat no.	Line
1 LAGER	14,0	7000	1400		1108	4689K	7083	1
1 LAGER	14,0	7000	1400		1096	4689K	7083	2
1 LAGER	14,0	7000	1400		1090	262L	7156	3
1 LAGER	14,0	7000	1400		1082	262L	7156	4
2 LAGER	14,0	4800	2400		1330	5413K	7131	5
2 LAGER	14,0	4800	2400		1322	5413K	7131	6
2 LAGER	14,0	4800	2400		1310	5413K	7131	7
2 LAGER	14,0	4800	2400		1310	5414K	7131	8
2 LAGER	14,0	4800	2400		1306	5414K	7131	9
2 LAGER	14,0	4800	2400		1288	5414K	7131	10
4 LAGER	16,0	5700	1900		1384	647L	7182	11
4 LAGER	16,0	5700	1900		1384	647L	7182	12
4 LAGER	16,0	5700	1900		1408	163L	7146	13
4 LAGER	16,0	5700	1900		1386	164L	7146	14
4 LAGER	16,0	5700	1900		1384	164L	7146	15
4 LAGER	16,0	5700	1900		1410	163L	7146	16
5 LAGER	45,0	4200	2100		3218	3356K	6992S	17

Total 17 23816 kgs

Analysis				Bottom end			Top end			AI	Charpy-V. 0°C	Line
Mo	Si	P	S	Y. P.	U. T. S.	E.	Y. P.	U. T. S.	E.			
69	220	203					324	526				1
65	210	103					294	430				2
68	180	102		44	300	4430						3
68	180	102		46	250	04526						4
68	240	203	31	44	252	94330						5
74	240	103		44	230	04526						6
74	240	103		45	260	04523						7
74	240	103		44	230	04526						8
82	240	203	27	44	302	64330						9

We hereby certify that the material described above has been made by an approved Process in accordance with the above mentioned Rules and is that which has been satisfactorily tested in the presence of the Surveyor.

E Caprani Wihel

Test House Manager.

MATERIAL TESTED AS REQUIRED BY THE RULES OF LLOYD'S REGISTER FOR TEST OF BOILER STEEL

41/42 KG/MM<sup>2</sup> 23 % ELONG.

BEND TEST 180°

COPENHAGEN 16 NOV. 1961

REGISTERED TO LLOYD'S REGISTER

Foundation

011718-011724-0031