

S 836

SUMIDA MARU ★

RECORDS DEPT.
LONDON.



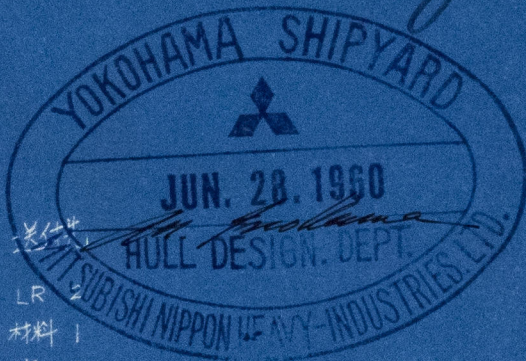
LOCATION OF P-5 STEEL
AND
MATERIAL TEST RESULTS

PORT YOKOHAMA
REPORT No. 3311
NAME OF SHIP M.V. "SUMIDA MARU"
BUILDER YOKOHAMA SHIPYARD & ENG. WORKS.
YARD No. 836

SIMILAR
SHIP "SAITAMA MARU" 5-836

DATE
DRAWN JUNE 15 '60


W. Macdonald



LR
材料 1
地 1
計 4

19154

(表紙共六枚)

YOKOHAMA  SHIPYARD
& ENGINE WORKS
MITSUBISHI NIPPON HEAVY-INDUSTRIES, LTD.
HULL DESIGNING DEPARTMENT

APPROVED

R. Tsumoto

CHECKED

R. Hoto
N. Oka

DRAWN

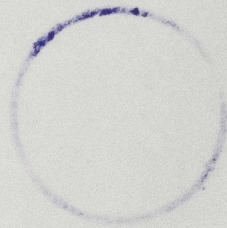
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DATE ISSUED

DRAWING NO

H02011

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LONDON
RECORD DEPT

P 1

MATERIAL TEST RESULTS					SHEER STRAKE				CHEMICAL COMPOSITION %					MAKER	REMARKS
MARK ON PLANS	SCANTLING IN mm	ROLL NO.	CHARGE NO.	TEST NO.	YIELD POINT kg/mm ²	TENSILE STRENGTH kg/mm ²	ELONGATION %	COLD BEND TEST	C	Mn	Si	P	S		
AS 8 (P)	24.1600.7500	C 1550	T 6476	6893 (LR-2348)	27.3	44.6	36.0	900D	.10	.99	.23	.024	.027	N.K.K	SEMI KILLED
" (S)	" " " "	C 1553	"	"	"	"	"	"	"	"	"	"	"	"	"
AS 9 (P)	" " " .9050	E 1874	T 271	7960 (LR-2722)	29.1	46.6	28.0	"	.13	1.05	.12	.026	.033	"	"
" (S)	" " " "	D 1362	T 9548	7206 (LR-2494)	28.7	46.0	28.0	"	.09	.92	.25	.017	.019	"	"
AS 10 (P)	" " " .12500	D 2898	T 6485	7470 (LR-2554)	30.3	46.6	32.0	"	.10	1.05	.21	.032	.027	"	"
" (S)	" " " "	C 9283	T 9538	7397 (LR-2516)	28.4	45.2	33.0	"	.11	.92	.21	.019	.022	"	"
AS 11 (P)	" " " .10600	C 1550	T 6476	6893 (LR-2348)	27.3	44.6	36.0	"	.10	.99	.23	.024	.027	"	"
" (S)	" " " "	C 1553	"	"	"	"	"	"	"	"	"	"	"	"	"
AS 12 (P)	" " " .1700.9200	C 5373	T 9294	7011 (LR-2389)	28.2	45.4	31.5	"	.13	1.04	.11	.018	.021	"	"
" (S)	" " " "	C 5374	"	"	"	"	"	"	"	"	"	"	"	"	"
AS 13 (P)	" " " .1600.8000	D 159	T 9548	7206 (LR-2494)	28.7	46.0	28.0	"	.09	.92	.25	.017	.019	"	"
" (S)	" " " "	D 160	"	"	"	"	"	"	"	"	"	"	"	"	"
AS 14 (P)	" " " "	C 1551	T 6476	6893 (LR-2348)	27.3	44.6	36.0	"	.10	.99	.23	.024	.027	"	"
" (S)	24.1600.8.000	C 1552	"	"	"	"	"	"	"	"	"	"	"	"	"

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MATERIAL TEST RESULTS

UPPER DECK PLATE

MARK ON PLANS	SCANTLING IN mm	ROLL NO.	CHARGE NO.	TEST No.	MECHANICAL PROPERTY				CHEMICAL COMPOSITION %					MAKER	REMARKS
					YIELD POINT Kg/mm ²	TENSILE STRENGTH Kg/mm ²	ELONGATION %	COLD BEND TEST	C	Mn	Si	P	S		
ND 8	28.2000.6025	D 3276	T 6313	7760(LR-2650)	31.3	48.1	33.5	GOOD	.11	1.03	.22	.024	.026	N.K.K	SEMI KILLED
ND 9	24.2000.10.000	E 1875	T 271	7960(LR-2723)	29.1	46.6	28.0	"	.13	1.05	.12	.026	.033	"	"
ND 10	32.2000.10.000	D 3593	T 9798	7961(LR-2724)	26.9	43.0	35.0	"	.11	.88	.20	.018	.030	"	"
ND 11 (P)	24.1600.9000	E 1859	T 271	7960(LR-2723)	29.1	46.6	28.0	"	.13	1.05	.12	.026	.033	"	"
" (S)	"	E 1876	"	"	"	"	"	"	"	"	"	"	"	"	"
ND 12	24.2000.9050	D 3520	T 9798	7668(LR-2618)	28.0	44.2	32.0	"	.11	.88	.20	.018	.030	"	"
ND 13	28.2000.5000	D 2938	T 6491	7665(LR-2615)	28.2	43.9	37.5	"	.12	.84	.21	.021	.027	"	FULLY KILLED
ND 14	33.1600.9050	D 8524	T 9911	7961(LR-2724)	28.0	46.3	36.0	"	.09	1.10	.19	.017	.025	"	SEMI KILLED
ND 15 (P)	22.1600.10.000	D 9714	T 6085	7960(LR-2723)	26.5	44.5	32.5	"	.09	.92	.20	.035	.024	"	"
" (S)	"	D 9717	"	"	"	"	"	"	"	"	"	"	"	"	"
ND 16	30.2000.6025	D 6913	T 6532	"	27.5	42.0	34.0	"	.10	.84	.20	.016	.025	"	"
ND 17 (P)	24.2000.7000	D 8787	T 9798	7689(LR-2631)	28.0	44.2	32.0	"	.11	.88	.20	.018	.030	"	"
" (S)	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
ND 18	32.2000.10.000	D 5438	"	7961(LR-2724)	26.9	43.0	35.0	"	"	"	"	"	"	"	"
ND 19 (P)	24.1600.9050	C 1551	T 6476	6892(LR-2348)	27.3	44.6	36.0	"	.10	.99	.23	.024	.027	"	"
ND 11 (S)	"	D 8779	T 6110	7960(LR-2723)	27.6	46.1	35.5	"	.11	1.02	.21	.021	.030	"	"
ND 20	"	D 2062	T 6407	7689(LR-2631)	28.4	46.5	32.0	"	.11	1.07	.24	.016	.025	"	"
ND 21	32.2000.5000	D 7019	T 6447	7961(LR-2724)	26.5	42.5	35.0	"	.09	.94	.19	.024	.028	"	"

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MATERIAL TEST RESULTS

UPPER DECK PLATE

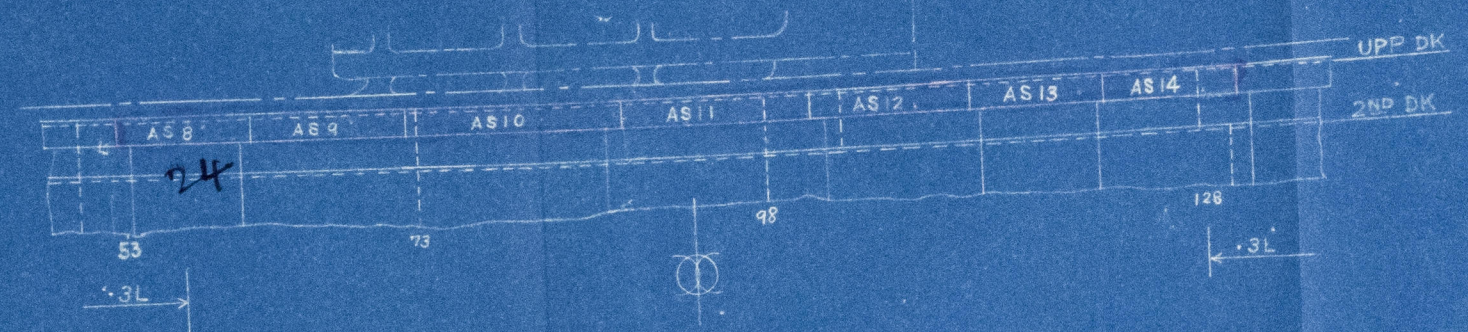
MARK ON PLANS	SCANTLING IN mm	ROLL NO.	CHARGE NO.	TEST NO.	MECHANICAL PROPERTY				CHEMICAL COMPOSITION %					MAKER	REMARKS
					YIELD POINT Kg/mm ²	TENSILE STRENGTH Kg/mm ²	ELONGATION %	COLD BEND TEST	C	Mn	Si	P	S		
ND 24	24.2000.5000	D 3520	T 9798	7668 (LR-618)	28.0	44.2	32.0	GOOD	.11	.88	.20	.018	.030	N.K.K.	SEMI KILLED
NE 7 (P)	24.2400.9050	D 2657	T 6466	7492 (LR-564)	24.6	45.7	32.5	GOOD	.13	.82	.07	.016	.023	N.K.K.	SEMI KILLED
" (S)	" " " "	D 2658	"	"	"	"	"	"	"	"	"	"	"	"	"
NE 8 (P)	" " " "	D 2659	"	"	"	"	"	"	"	"	"	"	"	"	"
" (S)	" " " "	D 5520	"	"	"	"	"	"	"	"	"	"	"	"	"
NE 9	24.2400.9050	D 5521	"	"	"	"	"	"	.10	1.04	.23	.030	.025	"	"
NE 10	33.2400.9050	D 1156	T 6480	7667 (LR-617)	30.0	45.7	37.5	"	"	"	"	"	"	"	"
NE 11 (P)	24.2400.12050	D 851	"	7668 (LR-618)	27.8	45.7	34.0	"	"	"	"	"	"	"	"
" (S)	" " " "	D 5402	T 9869	7760 (LR-650)	27.3	43.4	34.5	"	.08	.85	.17	.020	.030	"	"
NE 12 (P)	" " " "	D 9231	T 6660	7960 (LR-723)	27.5	42.0	34.0	"	.10	.84	.20	.016	.025	"	"
" (S)	" " " "	D 7056	T 9833	"	29.2	46.4	33.0	"	.10	.96	.18	.018	.027	"	"
NE 13 (P)	" " " "	D 7057	"	"	29.1	46.1	32.0	"	"	"	"	"	"	"	"
" (S)	" " " "	D 8853	"	"	"	"	"	"	"	"	"	"	"	"	"
NE 14 (P)	" " " " 6.025	D 2062	T 6407	7689 (LR-631)	28.4	46.5	32.0	"	.11	1.07	.24	.016	.025	"	"
" (S)	" " " "	D 9233	T 6650	7960 (LR-723)	27.3	42.5	33.0	"	.08	.91	.19	.020	.023	"	"
NF 6 (P)	24.2400.9050	D 8860	T 6466	7689 (LR-631)	28.0	45.9	29.5	GOOD	.13	.82	.07	.016	.023	N.K.K.	SEMI KILLED

MATERIAL TEST RESULTS

UPPER DECK PLATE

MARK ON PLANS	SCANTLING IN mm	ROLL NO.	CHARGE NO.	TEST NO.	MECHANICAL PROPERTY				CHEMICAL COMPOSITION %					MAKER	REMARKS
					YIELD POINT Kg/mm ²	TENSILE STRENGTH Kg/mm ²	ELONGA TION %	COLD BEND TEST	C	Mn	Si	P	S		
NF 6(S)	24 x 2400 x 9.050	D 8861	T 6466	7689(LR-631)	28.0	45.9	29.5	GOOD	.13	.82	.07	.016	.023	N.K.K	SEMI KILLED
NF 7(P)	" " " "	D 8862	"	"	"	"	"	"	"	"	"	"	"	"	"
" (S)	" " " "	D 1360	T 9548	7706(LR-494)	28.7	46.0	28.0	"	.09	.92	.25	.017	.019	"	"
NF 8(P)	" " " "	D 1361	"	"	"	"	"	"	"	"	"	"	"	"	"
" (S)	" " " "	D 5149	T 6466	7581(LR-2591)	26.0	44.9	32.5	"	.13	.82	.07	.016	.023	"	"
NF 9(P)	" " " 12050	D 8854	T 9833	7960(LR-723)	29.1	46.1	32.0	"	.10	.96	.18	.018	.027	"	"
" (S)	" " " "	D 8855	"	"	"	"	"	"	"	"	"	"	"	"	"
NF 10(P)	" " " "	D 8856	"	"	"	"	"	"	"	"	"	"	"	"	"
" (S)	" " " "	D 8857	"	"	"	"	"	"	"	"	"	"	"	"	"
NF 11(P)	" " " "	D 8859	"	"	"	"	"	"	"	"	"	"	"	"	"
" (S)	" " " "	D 1154	T 6480	7377(LR-2516)	27.8	45.7	34.0	"	.10	1.04	.23	.030	.025	"	"
NF 12(P)	" " " 6.025	D 9237	T 6660	7960(LR-723)	27.3	43.5	33.0	"	.08	.91	.19	.030	.023	"	"
" (S)	" " " "	D 6597	T 9812	"	28.9	46.7	30.0	"	.11	.96	.18	.015	.026	"	"
NB 10	22 x 1500 x 6.025	D 9717	T 6085	7960(LR-723)	26.5	44.5	32.5	GOOD	.09	.92	.20	.035	.024	N.K.K	SEMI KILLED

SIDE SHELL
(SHEER STRAKE)
(1:400)



UPPER DECK
(1:400)

