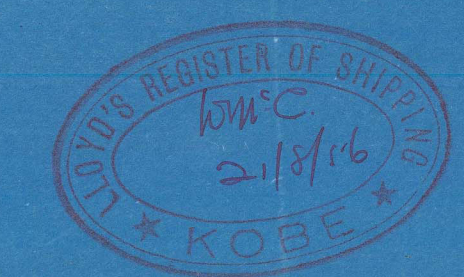


STEEL S.S. STEAM TUG "KONDOR"

AS BUILT



RUDDER PARTICULARS
LENGTH BETWEEN PERPENDICULARS 29'900 DESIGNED LOAD DRAUGHT 2'650
SEA SPEED (FREE RUNNING) 9 1/4 KNOTS
TOTAL RUDDER AREA A = 3.601
DISTANCE OF CENTRE OF GRAVITY OF AREA (A) FROM THE CENTRE LINE OF THE STOCK D = 0.332
RUDDER AREA ABOUT THE CENTRE OF STOCK A' = 2.579
DISTANCE OF CENTRE OF GRAVITY OF AREA (A') FROM THE CENTRE LINE OF THE STOCK D' = 0.5925
 $\frac{A}{L \times d} = \frac{3.601}{29.9 \times 2.65} = \frac{1}{22}$

MATERIAL
RUDDER STOCK TO BE FORGED STEEL AND MATERIAL TEST TO BE CARRIED OUT IN ACCORDANCE WITH LLOYD'S RULE

- NOTES
1. THE SHELL OF RUDDER TO BE WATERTIGHT.
2. INSIDE OF RUDDER TO BE PAINTED BITUMASTIC SOLUTION.
3. STAR MARKED (*) SIZES ARE APPROXIMATE SIZES AND TO BE DECIDED AT MOLD LOFT
4. ENDS OF TONGUES & STOTS TO BE ROUNDED.

DEGREE OF FINISHING	
	SMOOTH SURFACE
	ROUGH FINISH
	MEDIUM FINISH
	FINE FINISH

NO	NAME OF PART	MATERIAL	UNIT	REMARK
24	SETTING BOLT	BRASS		
2	COVER PLATE	MILD STEEL		WITH BOLT & NUT
4	ZINC PL	ZINC		
2	SPLIT PIN	MILD STEEL		
2	BOLT & NUT	MILD STEEL		
1	LOCKING PIECE	MILD STEEL		
1	NUT	FORGED STEEL		
1	EYE BOLT	FORGED STEEL		
1	SLEEVE ON STOCK	BRONZE (BC 38)		
2	1/2" DRAIN PLUG	BRASS		
1	SLEEVE ON RATTLE	BRONZE (BC 38)		
1	BOTTOM PIECE & RATTLE	FORGED STEEL		
1	RUDDER FRONT	STEEL PIPE		
6	8" SPLIT PIN	MILD STEEL		
6	COUPLING BOLT & NUT	FORGED STEEL		
1	MAIN PIECE	MILD STEEL		
1	RUDDER LOWER STOCK	FORGED STEEL		0.25% MAX CARBON
1	RUDDER UPPER STOCK	FORGED STEEL		0.25% MAX CARBON

NAME OF PART	MATERIAL	UNIT	REMARK
KONDOR	9/6 СУДОИМПОРТ СССР		
RUDDER			
SCALE No. 1/6 1/8 1/4 1/2			
HITACHI SHIPBUILDING & ENGINEERING CO LTD		DRAWN BY	
MUKAISHIMA SHIPYARD		CHECKED BY	
SHIP DESIGNING SECTION		REVIEWED BY	
DATE MAR 18 1966		SHEET OF SECT	
MANUF NO		SHEET	
CODE NO		DRAWING NO	
		21274	

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