

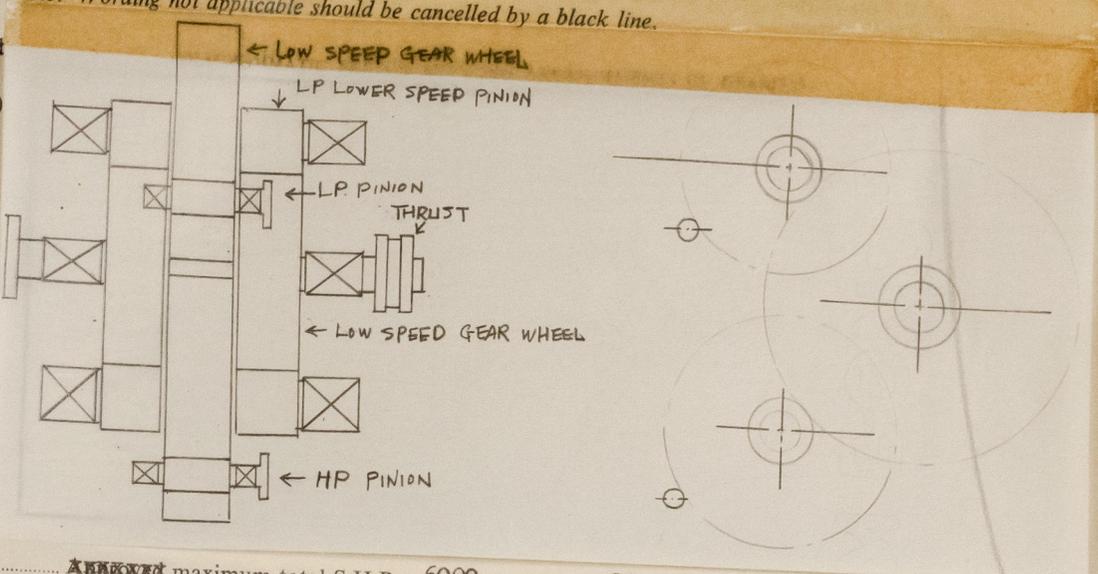
Rpt. 4e
 Date of writing report 3.12.64
 Received London 22 MAR 1965
 Port Nagasaki
 No. FE-1321
 Survey held at Sasebo
 No. of visits ~~in stop~~ 5 (on board)
 First date 17.10.64
 Last date 2.12.64

CLASSIFICATION OF SHIP NOT BUILT UNDER SURVEY

FIRST ENTRY REPORT ON MAIN ENGINE REDUCTION GEARING

Name of Ship "MOBIL PROGRESS" (now named "AUSTRALIAN PROGRESS")
 Owners Associated Steamship Co., Ltd.
 Hull built at Hamburg by W. Schlieker
 Yard No. 525 Year 1960
 Main engines made at San Francisco by Joshua Hendy Iron Works
 HP 10997
 Engine No. LP 10994 Year 1946
 Reduction gearing made at San Francisco by - " -
 Gear No. 10,579 Year -
 Type of engine with which gearing is to be used Cross - Compound with HP & LP Turbines
 State if for Class 1 or 2 ice strengthening -

The following particulars are to be given as fully and clearly as possible. Wording not applicable should be cancelled by a black line.
 Description of gearing, including reversing arrangements ~~xxx~~
~~Double reduction, fixed bearing type, double~~
~~helical pinions & gears with involute teeth~~
~~including 2 impulse stages astern side in L.P.~~
~~turbine cylinder.~~
 of single helical, what is the position of the gear thrust bearing?
 Helix angle, primary & secondary 18°18'16"
 type of involute tooth form -

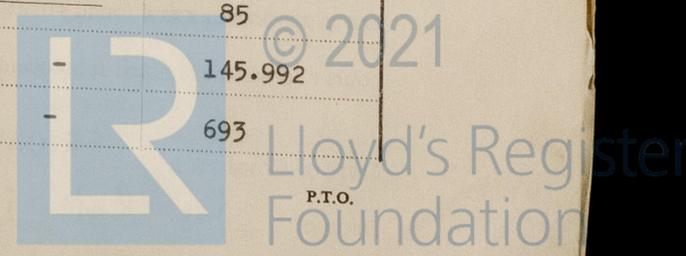


Approved maximum total S.H.P. 6000 at 85 R.P.M. of main wheel

	PRIMARY			SECONDARY		
	HP	MP	LP	HP	MP	LP
Maximum S.H.P. to be delivered to primary pinions	-	-	-	-	-	-
Revolutions per minute	-	-	-	-	-	-
Diameter of pitch circle, inches/mm.	9,129	-	11,060	21,067	-	21,067
No. of teeth	52	-	63	100	-	100
Total width of face, parallel to axis, inches/mm.	20 1/2	-	20 1/2	37	-	37
Width of gap, inches/mm.	1 3/4	-	1 3/4	24	-	24
Diameter of shaft at bearings, inches/mm.	5	also 5"	6.25	16	-	16
No. of bearings	2	-	2	2	-	2
Span of bearing centres, inches/mm.	31 1/4	-	31 1/4	78 1/2	-	78 1/2
Material, state nominal composition and heat treatment	-	-	-	-	-	-
Tensile strength, tons per sq. in./kg. per sq. mm.	-	-	-	-	-	-
SHAFTS						
Diameter, inches/mm.	-	-	-	-	-	-
Material, state nominal composition	-	-	-	-	-	-
Tensile strength, tons per sq. in./kg. per sq. mm.	-	-	-	-	-	-
COUPLINGS						
Type of coupling	Floating Shaft Type					
Material, driving member	-	-	-	-	-	-
Tensile strength, tons per sq. in./kg. per sq. mm.	-	-	-	-	-	-
Material, driven member	-	-	-	-	-	-
Tensile strength, tons per sq. in./kg. per sq. mm.	-	-	-	-	-	-

Do couplings permit axial float of pinions? Yes
 Have primary pinions been dynamically balanced? No
 Have secondary pinions been dynamically or statically balanced? No

	PRIMARY			MAIN
	HP	MP	LP	
Revolutions per minute	-	-	-	85
Diameter of pitch circle, inches/mm.	-	-	-	145.992
No. of teeth	-	-	-	693



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