





WHEELS (continued)

	PRIMARY			MAIN
	HP	MP	LP	
Material of rims, state nominal composition				
Tensile strength, tons per sq. in./kg. per sq. mm.				
Diameter of shaft at bearings, inches/mm.				
Material of shaft				
Tensile strength, tons per sq. in./kg. per sq. mm.				

Have wheels been statically balanced? yes Are wheel bodies of cast or welded construction? No., forged

Are wheel bodies connected to the shafts by bolts? no, solid Material of wheel bodies.....

Are rims shrunk on, or bolted to bodies, or attached by welding? no, solid Are radial or axial dowels fitted? -

If shrunk, has the shrinkage allowance been checked and found as approved?..... How were the teeth cut? by hobbing

If hobbled, name and serial no. of hobbing machine Walzautomat URS 1 What post-hobbing process was applied? grinding

Name and serial no. of machine used for finishing process Type UR 1000 No. 10 189 If teeth are surface hardened, state method case hardened Were teeth cut under conditions of temperature control?.....

Is gearcase of cast or welded construction? cast iron If welded, has it been stress relieved?..... Have trammels or other means been supplied for verifying that gearcase is free from distortion when secured in ship?..... Diameter of shaft at thrust collar.....

Has gearing been run light/under load in the shop and the tooth contact found satisfactory?.....

What is the backlash? (state whether measured circumferentially or normal to the teeth) 0.32 and 0.28 mm

If undulation records were taken, state maximum height from crest to trough and wave length, pinions.....

..... wheels.....

Maximum adjacent pitch error normal to teeth, if measured, pinions.....

..... wheels..... Date of approval of plans 5/11/62, 11/1/63, 6/3/63

If gearing is a duplicate of a previous case, state name of ship Messrs. Kremer & Sohn, Elmshorn Yard No. 1100, 1101, 1102, 1103

The foregoing description of reduction gearing is correct.

EISENWERKE REINTJES GMBH

Manufacturer

GENERAL REMARKS

State if the gearing has been constructed under special survey in accordance with the Rules, approved plans and Secretary's letters. State quality of materials and workmanship. This report should be forwarded to the Head Office with the First Entry report on the machinery. When gearing is made at a Port other than the Port of installation, the Surveyors at the former should send this report to the Surveyors at the Port of installation as soon as possible after completion of the gearing. The latter should complete the Declaration below and send the report to the Head Office with their First Entry report on the machinery.

These main reversible reduction gears have been constructed under special survey in accordance with the requirements of the Rules, approved plans and Secretary's letters. The material used was tested and the workmanship satisfactory. The gears would be eligible for the notation LMC (with date) when the whole machinery has been satisfactorily fitted on board and tried under full working condition.

Survey fee.....

Expenses.....

Date when a/c rendered.....

*J. B. ...*  
Engineer Surveyor to Lloyd's Register of Shipping

IDENTIFICATION MARKS

LLOYD'S HNO 27.5.63 HB on Gear Box

PRIMARY PINIONS LLOYD'S DSF 227 - 43187 T 14168 - 668 O.K. 408447 SW 29.11.62 H.S.

PRIMARY ~~QUILL~~ SHAFTS 658 LLOYD'S KLN 1927 HL 6.11.62 NN

SECONDARY PINIONS LLOYD'S DSF 228 43187 T 14168 OK 40847 SW 29.11.62 HS

SECONDARY ~~QUILL~~ SHAFTS 656 LLOYD'S KLN 1927 HL 6.11.62

FLEXIBLE COUPLINGS 659 LLOYD'S KLN 1927 HL 22.11.62 FK

Bevel Gear Wheels: 226 43156 T 14169 146513 LLOYD'S DSF 29.11.62 HS

PRIMARY ~~WHEEL RIMS~~.....

PRIMARY WHEEL SHAFTS.....

MAIN WHEEL RIM 228 LLOYD'S DSF 43187 T.668OK 40847SW 29.11.62 HS MAIN WHEEL SHAFT 653 LLOYD'S DSF 1927 HL 6.11.62 F

DECLARATION TO BE COMPLETED AND SIGNED BY THE SURVEYOR AT THE PORT OF INSTALLATION

The above reduction gearing has been fitted on board the..... at.....

in a proper manner and found satisfactory when tested on the (date)..... under full-power working conditions for.....

hours and when examined subsequently.

FRIDAY - 1 NOV 1963

DATE OF COMMITTEE.....

DECISION See Stam 12997

Engineer Surveyor to Lloyd's Register of Shipping



Rpt. 4e  
Date of writi  
Survey held a  
FIRST  
Name of Ship  
Hull built at  
Main engines  
Reduction ge  
Type of engin  
The following  
Description o  
clutches, if an  
Two Sing  
multiple  
pressure  
Planet b  
operated  
gear dri  
Roller a  
If single heli  
Helix angle, p  
Type of invol  
PINIONS  
Maximum S.F  
Revolutions p  
Diameter of p  
No. of teeth  
Total width o  
Width of gap,  
Diameter of s  
No. of bearing  
Span of bearin  
Material, state  
Shaft for  
gear whee  
Tensile strengt  
QUILL SHAFT  
Diameter, inch  
Material, state  
Tensile strengt  
FLEXIBLE CO  
Type of coupli  
Material, drivin  
Tensile strengt  
Material, drive  
Tensile strengt  
Do couplings p  
balanced?  
WHEELS  
Revolutions pe  
Diameter of pit  
No. of teeth...  
10m, 8, 58 T. (MA