

**K-MARINE ENGINEERING PTE LTD**

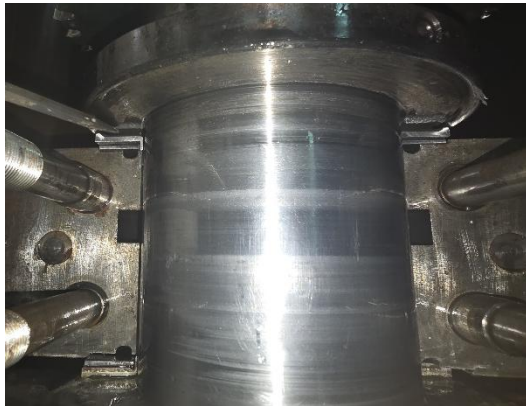
4 PENJURU PLACE, #01-17 SINGAPORE 608782

Tel. : +65 6250 2501 Fax : +65 6250 4839

Email : sales@kmarine.com.sg/kmarine@singnet.com.sg

CUSTOMER ORDER REF. : P425-0007-6146-GAG**JOB RECORD**

CUSTOMER		VESSEL	M.T. "GALUNGGUNG"	JOB NO.	2111
ITEM	CARGO OIL PUMP TURBINE NO. 3	CLASS	A.B.S.	DATE	15/06/2025
MAKE/MODEL	SHINKO/RX2-2	S. NO.	1029401	RECORDED BY	RAO
COMPONENT	TURBINE INSPECTION & OVERHAULING WITH PINION ROTOR ASSEMBLY REPLACEMENT	STATUS	TURBINE PINION ROTOR INSPECTION AT DISASSEMBLY	DIMENSIONS	N.A
INSTRUMENT	N.A.			I.D. NO.	N.A.



NOTE : (1) TURBINE PINION ROTOR DISC FOUND WITH ONE SECOND ROW BLADE BROKEN OFF & MISSING, & CORRESPONDING SHROUD BAND PORTION BENT OUTWARDS; THIS SHOULD BE THE REASON FOR THE VIBRATION & NOISE DURING PREVIOUS OPERATION.

(2) EXISTING TURBINE PINION ROTOR THRUST COLLAR (1430) FOUND BADLY WORN IN CONJUNCTION.

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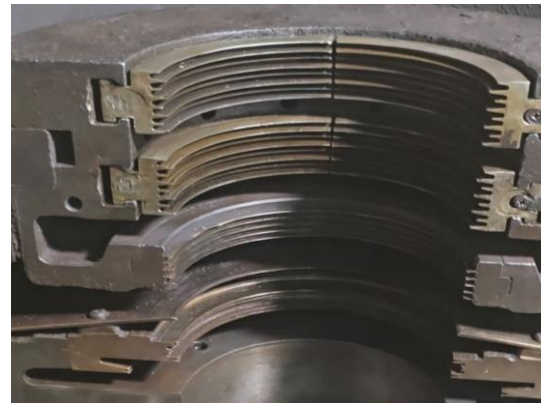
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MAKE/MODEL	SHINKO/RX2-2	S. NO.	1029401	RECORDED BY	RAO
COMPONENT	TURBINE INSPECTION & OVERHAULING WITH PINION ROTOR ASSEMBLY REPLACEMENT	STATUS	STEAM CHEST, LABYRINTH PACKINGS, STEAM GUARD & OIL GUARD BEFORE & AFTER CLEANING	DIMENSIONS	N.A
INSTRUMENT	N.A.			I.D. NO.	N.A.

**STEAM CHEST BEFORE CLEANING****LABYRINTH PACKING (8 SEGMENTS), STEAM GUARD (1 PAIR) & OIL GUARD (1 PAIR) BEFORE CLEANING****STEAM CHEST AFTER CLEANING****LABYRINTH PACKING (8 SEGMENTS), STEAM GUARD (1 PAIR) & OIL GUARD (1 PAIR) AFTER CLEANING**

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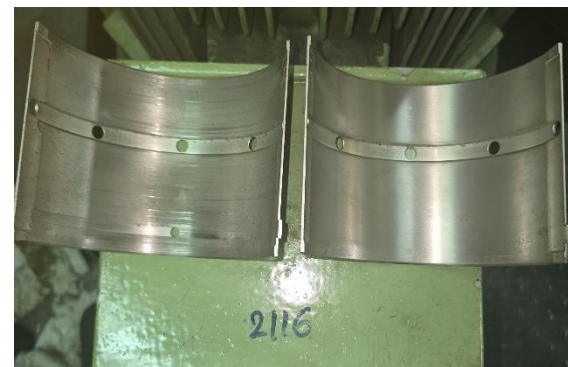
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MAKE/MODEL	SHINKO/RX2-2	S. NO.	1029401	RECORDED BY	RAO
COMPONENT	TURBINE INSPECTION & OVERHAULING WITH PINION ROTOR ASSEMBLY REPLACEMENT	STATUS	TURBINE PINION ROTOR SHAFT & WHEEL GEAR ROTOR SHAFT BEARING SHELLS & THRUST BEARING METALS AT DISASSEMBLY	DIMENSIONS	N.A
INSTRUMENT	N.A.			I.D. NO.	N.A.

**TURBINE PINION ROTOR BEARING SHELLS & THRUST BEARING METALS****WHEEL GEAR ROTOR BEARING SHELLS & THRUST BEARING METALS**

NOTE : (1) THE EXISTING TURBINE PINION ROTOR THRUST COLLAR (1430) FOUND BADLY WORN & CORRESPONDING UPPER THRUST BEARING METAL (2117) SIMILARLY WORN DOWN; THE THRUST BEARING METALS (2117& 2118) & JOURNAL BEARING SHELLS (2114) WERE REPLACED WITH SHIP'S NEW SPARE ONES; THE REPLACEMENT TURBINE PINION ROTOR CAME WITH A GOOD THRUST COLLAR INCIDENTALLY.

(2) THE EXISTING WHEEL GEAR ROTOR UPPER THRUST BEARING METAL (2119) WAS FOUND WITH WEAR MARKS & SUBSTANTIAL REDUCTION IN RESPECTIVE OIL WEDGE AREAS, & THEREBY WAS DRESSED UP BY POLISHING WOOL FOR REUSE AS SPARE NOT AVAILABLE ON BOARD; THE RENEWAL OF THE THRUST BEARING METAL (2119) RECOMMENDED TO BE EFFECTED AT EARLIEST CONVENIENCE.

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MAKE/MODEL	SHINKO/RX2-2	S. NO.	1029401	RECORDED BY	RAO
COMPONENT	TURBINE INSPECTION & OVERHAULING WITH PINION ROTOR ASSEMBLY REPLACEMENT	STATUS	TURBINE CASING AFTER CLEANING & WHEEL GEAR ROTOR SHAFT BEARING METALS & THRUST BEARING METALS REINSTALLATION	DIMENSIONS	N.A
INSTRUMENT	N.A.			I.D. NO.	N.A.



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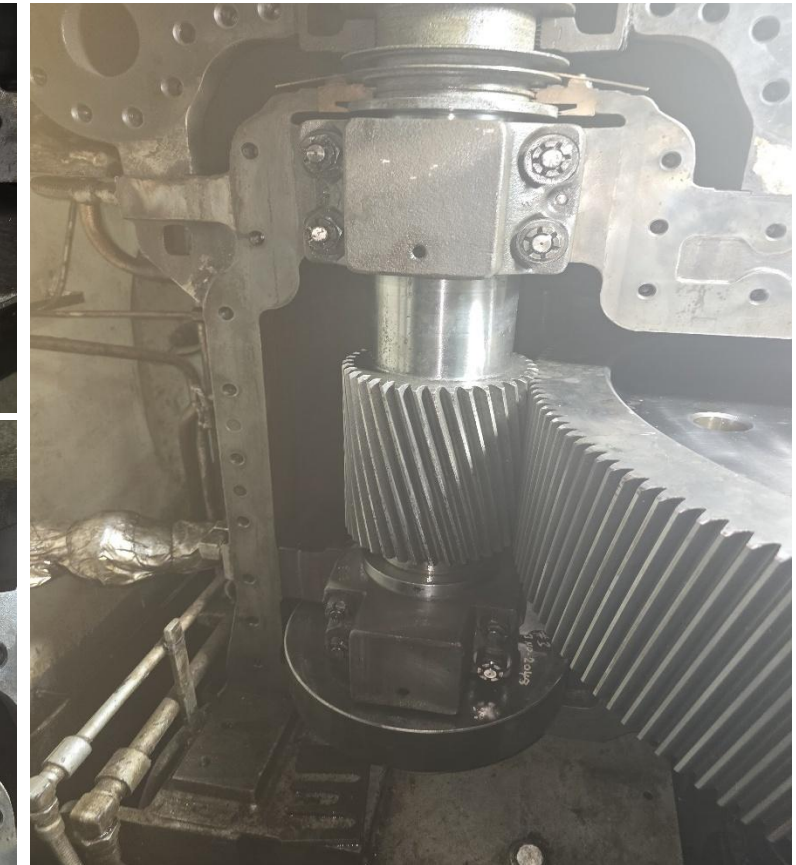
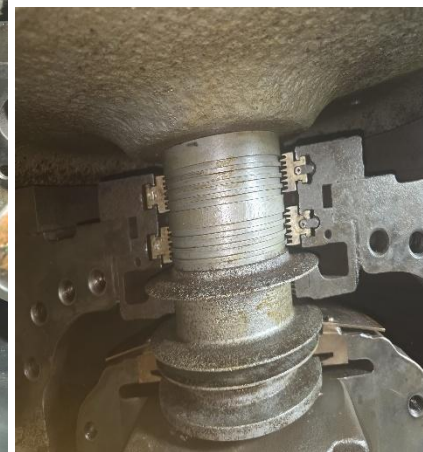
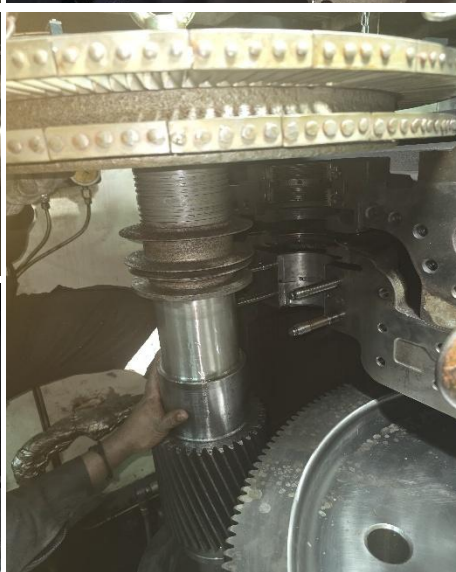
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MAKE/MODEL	SHINKO/RX2-2	S. NO.	1029401	RECORDED BY	RAO
COMPONENT	TURBINE INSPECTION & OVERHAULING WITH PINION ROTOR ASSEMBLY REPLACEMENT	STATUS	REPLACEMENT TURBINE PINION ROTOR INSTALLATION	DIMENSIONS	N.A
INSTRUMENT	N.A.			I.D. NO.	N.A.



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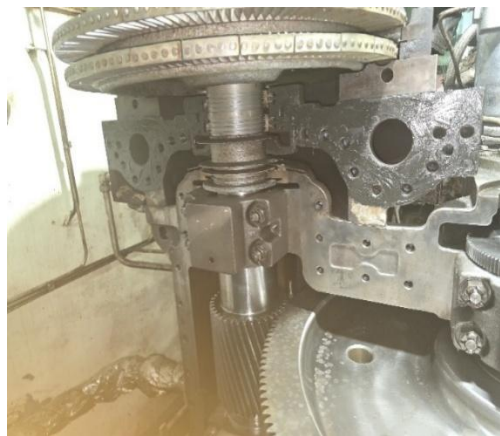
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ITEM	CARGO OIL PUMP TURBINE NO. 3	CLASS	A.B.S.	DATE	16/06/2025
MAKE/MODEL	SHINKO/RX2-2	S. NO.	1029401	RECORDED BY	RAO
COMPONENT	TURBINE INSPECTION & OVERHAULING WITH PINION ROTOR ASSEMBLY REPLACEMENT	STATUS	STEAM CHEST & EXHAUST CASING REINSTALLATION	DIMENSIONS	N.A
INSTRUMENT	N.A.			I.D. NO.	N.A.



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MAKE/MODEL	SHINKO/RX2-2	S. NO.	1029401	RECORDED BY	RAO/L.W.LOW
COMPONENT	TURBINE INSPECTION & OVERHAULING WITH PINION ROTOR ASSEMBLY REPLACEMENT	STATUS	TURBINE UNIT UPON COMPLETE REASSEMBLY	DIMENSIONS	N.A
INSTRUMENT	N.A.			I.D. NO.	N.A.



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MAKE/MODEL	SHINKO/RX2-2	S. NO.	1029401	RECORDED BY	RAO/L.W.LOW
COMPONENT	TURBINE INSPECTION & OVERHAULING WITH PINION ROTOR ASSEMBLY REPLACEMENT	STATUS	TURBINE RUNNING TEST UPON COMPLETION OF ALL WORKS	DIMENSIONS	N.A
INSTRUMENT	N.A.			I.D. NO.	N.A.

