



भारतीय अन्तर्देशीय जलमार्ग प्राधिकरण  
(पत्तन, पोत परिवहन और जलमार्ग मंत्रालय, भारत सरकार)  
**INLAND WATERWAYS AUTHORITY OF INDIA**  
(Ministry of Ports, Shipping and Waterways, Govt. of India)



क्षेत्रीय कार्यालय :  
गायघाट, पोस्ट-गुलजारबाग  
पटना (बिहार)-800 007  
ई-मेल : dirpat.iwai@nic.in

Regional Office :  
Gaighat, P.O.-Gulzarbagh  
Patna (Bihar) - 800 007  
E-mail : dirpat.iwai@nic.in

File no.-12/IWAI/ENGG/P(02)/2025-26/

Dated: 20-06.2025

**NOTICE INVITING QUATATION**

**Sub: NIQ for supply procurement/fabrication and fitting of Elast Coupling for CSD Yamuna -reg.**

Inland Waterways Authority of India (IWAI) invites Sealed quotation from reputed agencies / supplier/ manufacturer supply for procurement/ fabrication and fitting of Auxiliary Engine Make CAT 3412 Elast Coupling mutimont sella type MMF100 (Coupled with engine to alternator, 413 BHP, 1500 RPM) for CSD Yamuna as per specification/ sample/ drawing (Drawing enclosed). The details for BOQ are enclosed as annex-1

**Terms & Condition: -**

1. No advance payment will be made.
2. The firm shall be submitting the copy of PAN Card, GST Registration, cancel cheque/Bank and firm registration certificate.
3. The price may be quoted both in figures & words including all the cost such as; taxes etc. No other extra charges will be entertained.
4. The supply shall be completed within 7 days from receipt of the work order.
5. In case of delay in completion of the above repairing work and delivery, liquidated damages will be applicable @1.0% per week subject to a maximum 10% on the total value of the contract.
6. 10% amount will only be released after successful completing the 6 months guarantee period for repair work from the date of completion of work.
7. The repairer shall have the past experience related to similar nature of work/familiar with electrical/civil/mechanical work in River side/ riverine work etc.
8. Inland Waterways Authority of India (IWAI) reserves the rights to accept or cancel any quotation without assigning any reason or any prior notices.
9. The sealed quotation should reach to Director IWAI, Gaighat, Patna-800007 office. latest by 02.07.2025 at 1500 hrs. The sealed bids will be opened on same day i.e. 02.07.2025 at 1530 hrs.
10. The material and item shall be delivered at Gaighat Store, Inland Waterways Authority of India, Patna.
11. For any clarification you may contact IWAI, Director during the office working hours i.e. 10:00 to 17:00 hrs.

Director

Encl. -As above

Copy to: -

1. IWAI's Website
2. Notice Board, IWAI Patna office



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Dated: 13-06.2025

**Annex-1**

**BOQ for procurement/ fabrication and fitting of Elast Coupling Mutimont Sella type MMF100 for alternator coupling of auxiliary engine Cat make 3412 of CSD Yamuna, Patna.**

SNo.	Description of Work	Unit	Qty	Rate (INR)	Amount (INR)
1	Procurement/ fabrication and fitting of Elast coupling (Multimont Sella MMS NF 100, Wt. 11.8 kg) of Auxiliary Engine Make CAT 3412(Coupled with engine to alternator, 413 BHP, 1500 RPM) of CSD Yamuna (enclosed as per specification/ sample/ drawing & photo)				
1.1	labor charges	Comp job	1		
1.2	Cost of Elast coupling (new fabrication/ procurement / Machining, reconditioning, processing, design and drawing with specification, testing of material for development including transportation, machining and cost of spares, excluding GST.	Comp job	1		
	Total				

In words Rs.

Note: Excluding GST as applicable

Firm Representative

Firm Name  
Signature and seal

-W66

### Elast. Coupling

Multimont Sella type MMS NF100

$$J_{\text{tot}} = 0,158 \text{ kg m}^2$$

$$\text{Weight} = 11,8 \text{ kg}$$

### Generator

Ansaldo type MXM

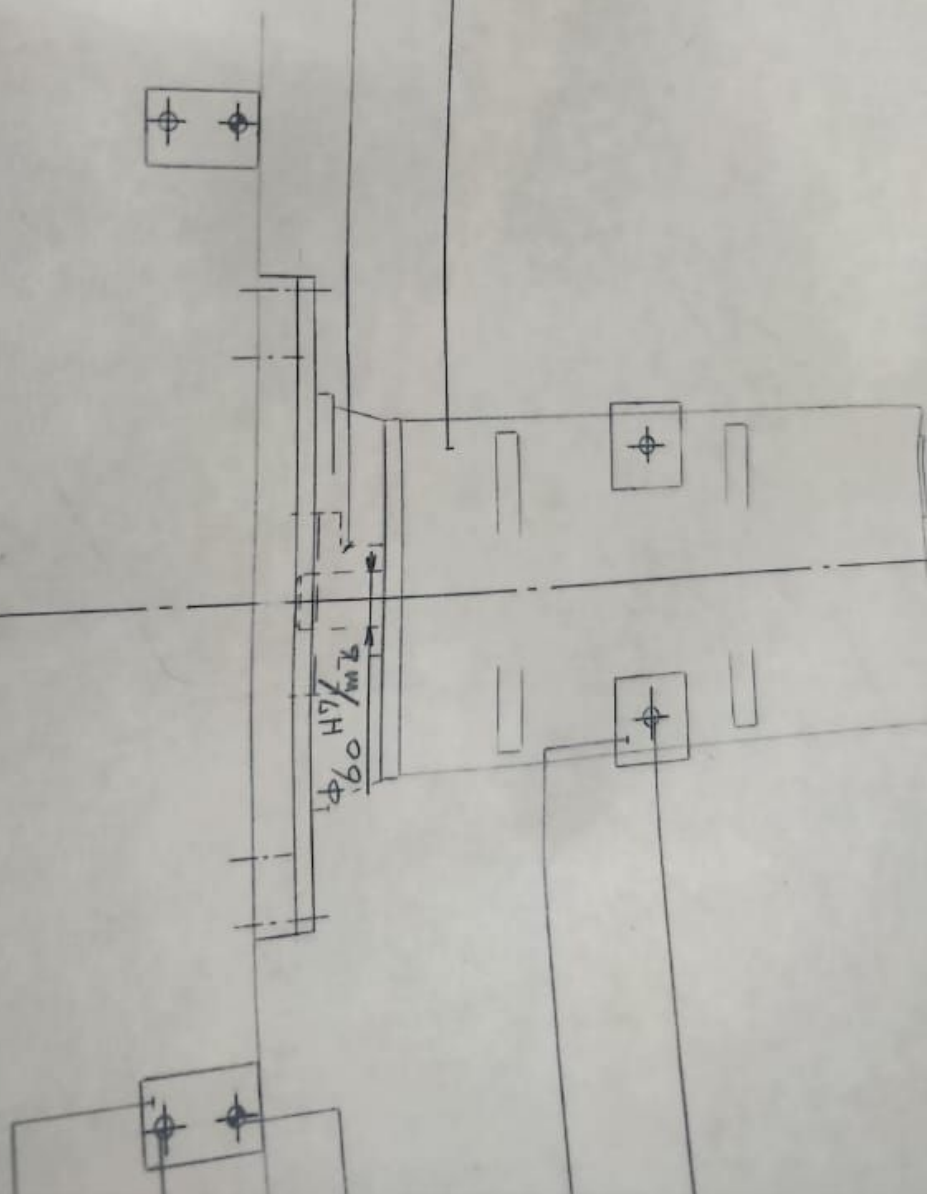
Output 52 KVA

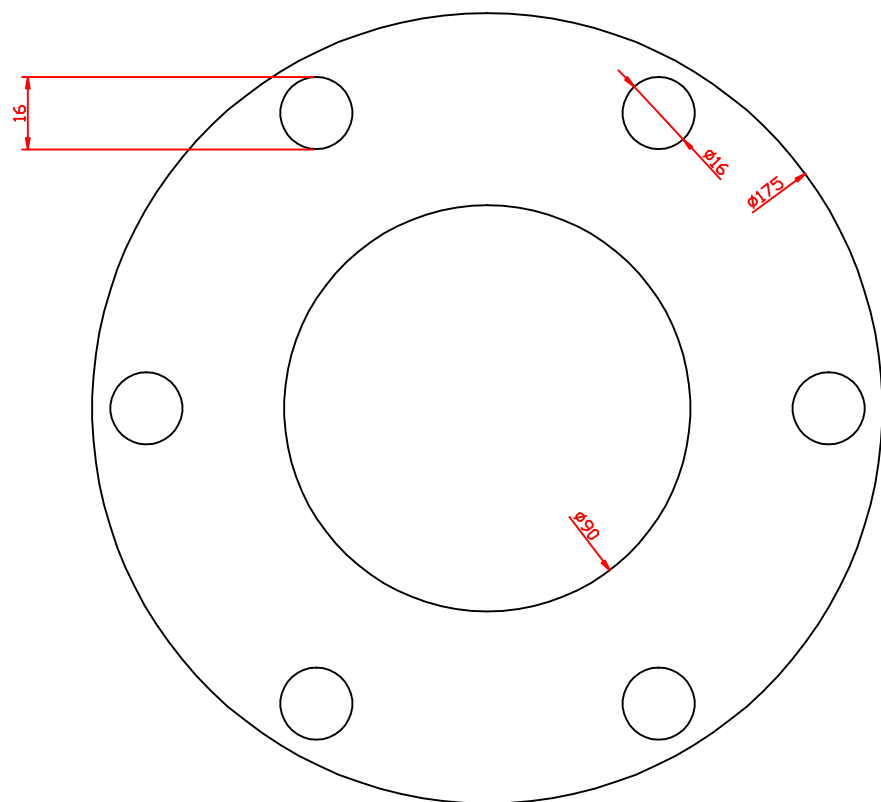
$$J = 0,521 \text{ kg m}^2$$

$$\text{Weight} = 300 \text{ kg}$$

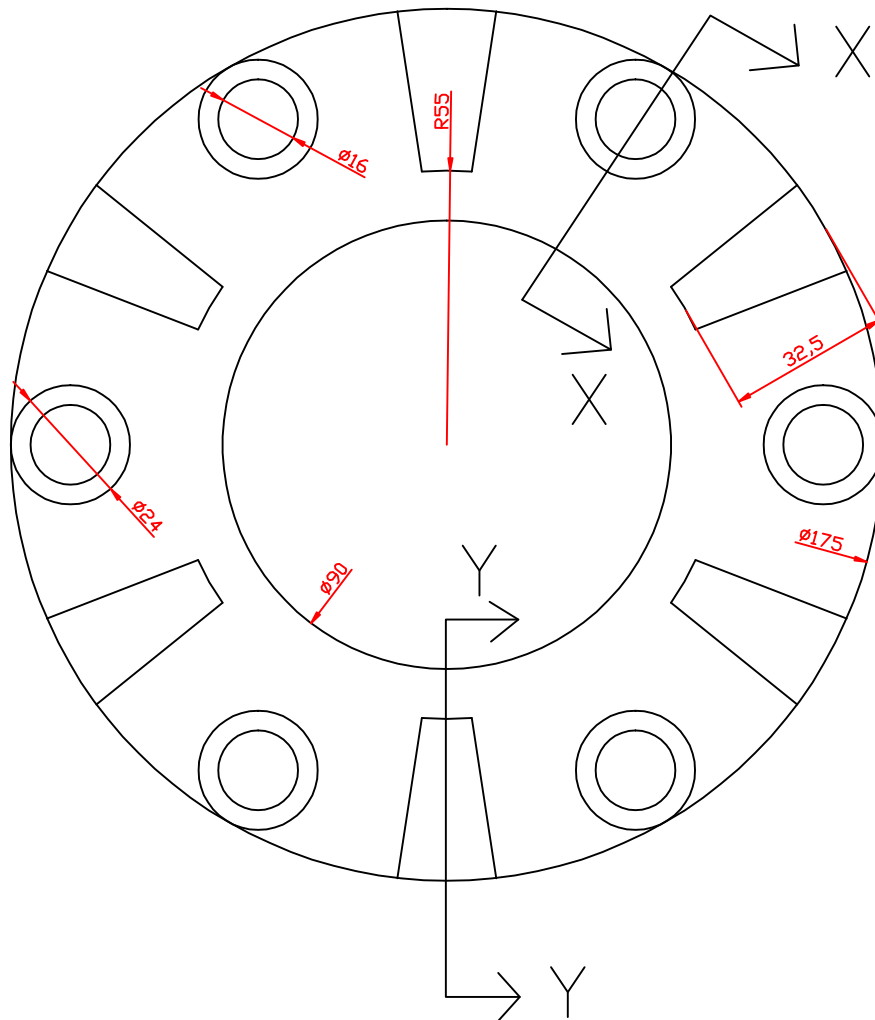
pillar 3412 DI-T

7 KW 1500 r.p.m.

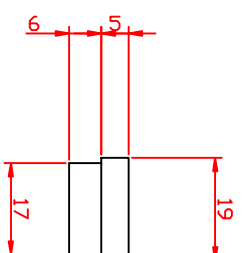




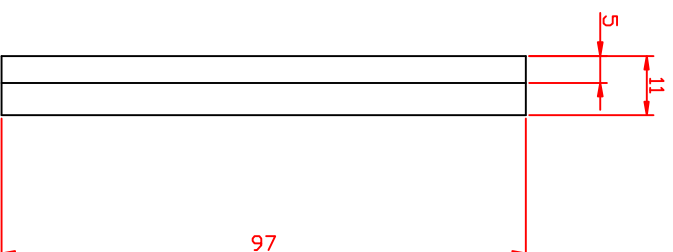
Female bottom view(Engine side)



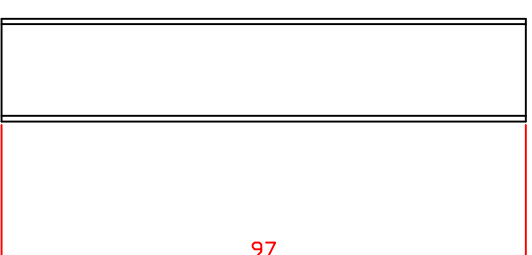
Female top view (Engine side)



KEY top view

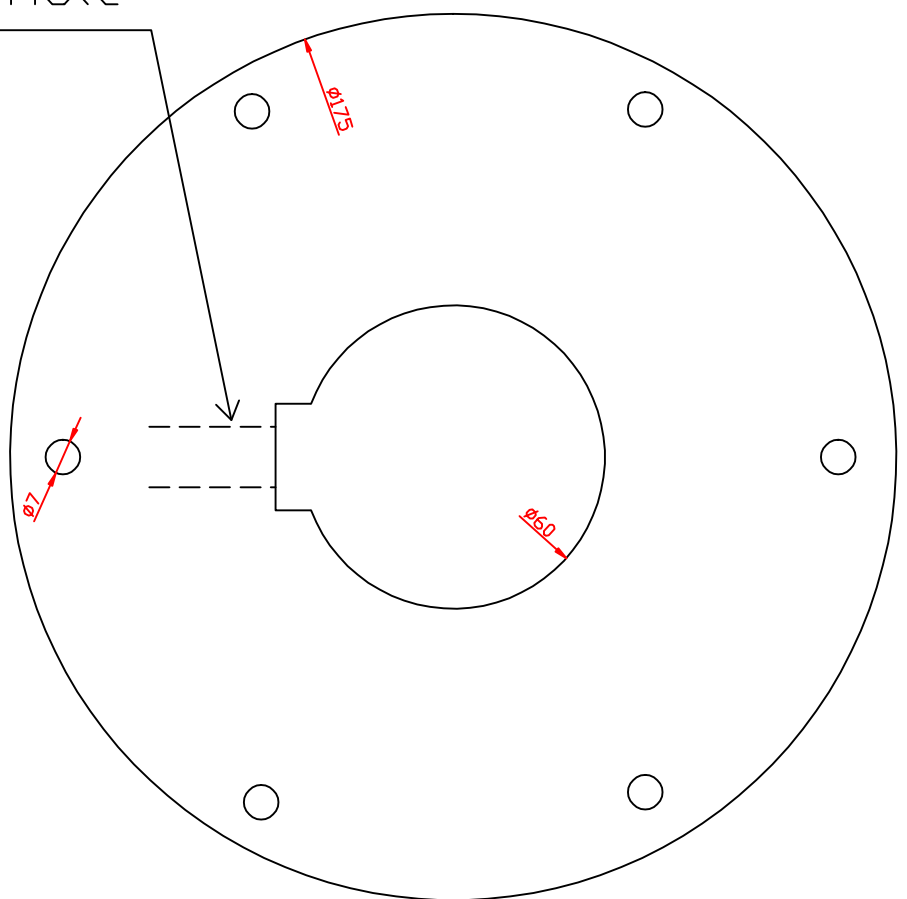


KEY Front view



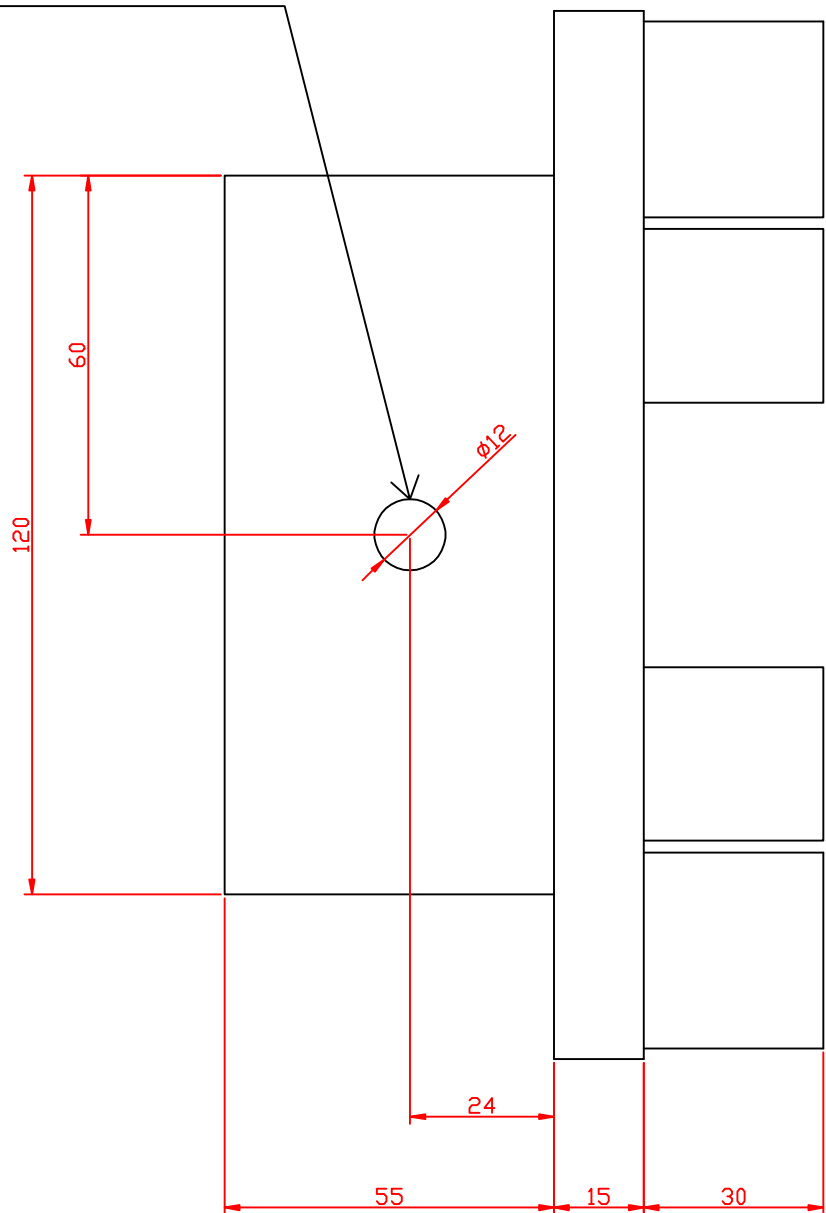
KEY Front view

KEY Tightning Hole



Male bottom view

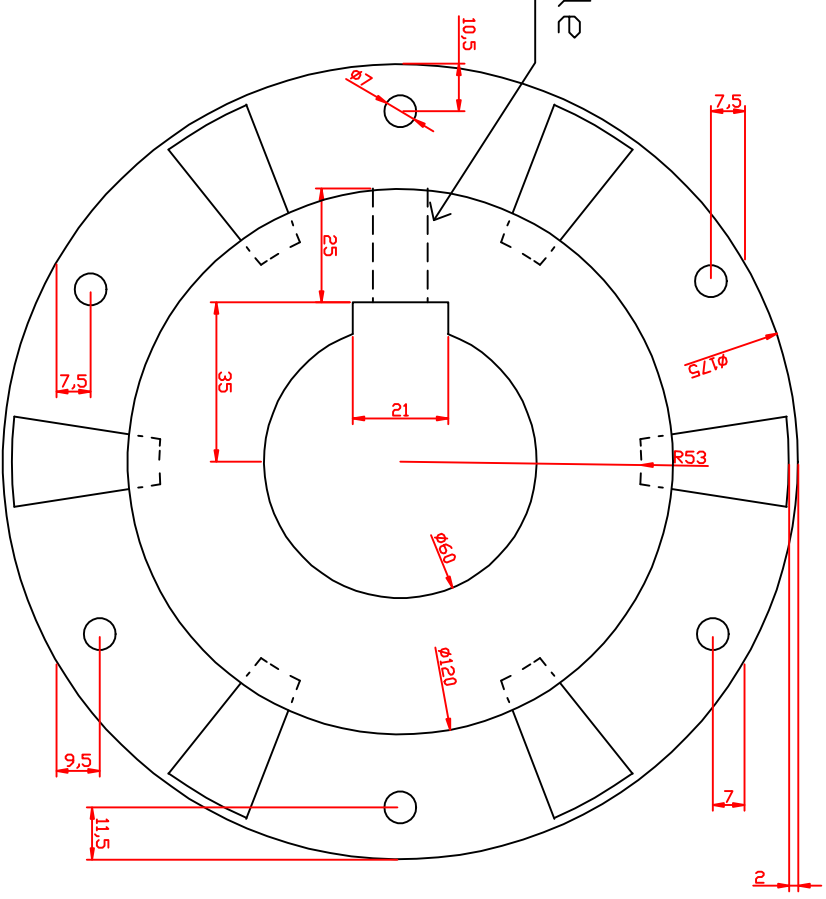
KEY Tightning Hole



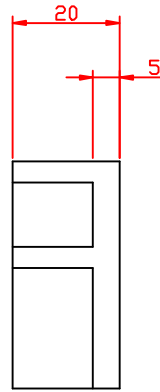
Male side view



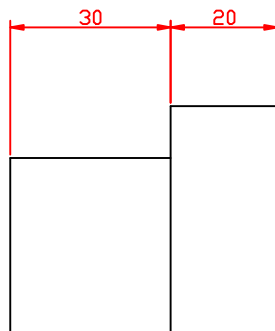
KEY Tightning Hole



Male top view



sectional view at  
X-X (Engine side)



Sectional view at  
Y-Y (Engine side)









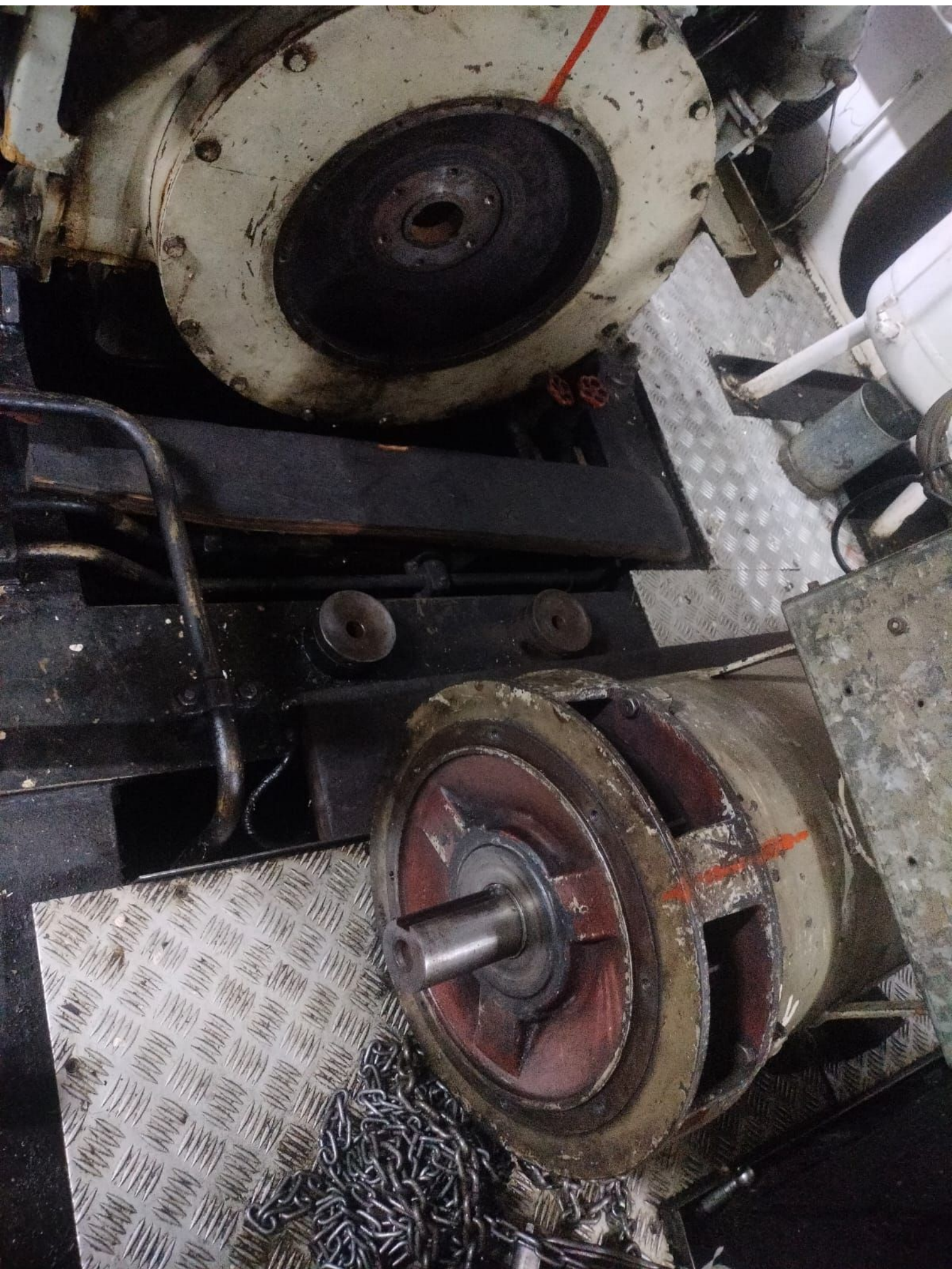










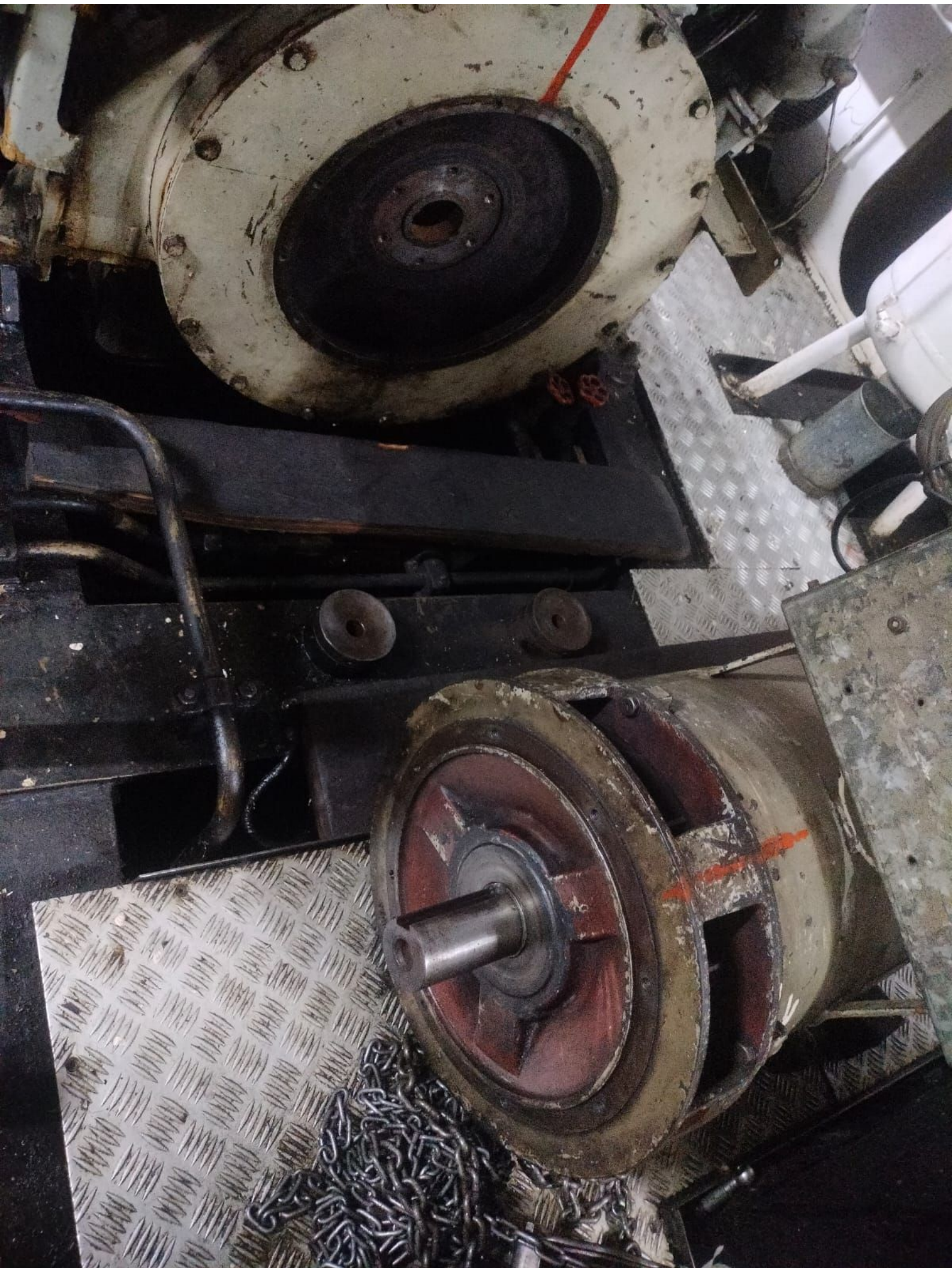




















# AUX. ENGINE

<b>CAT®</b>		3412	
SER. NO.	60M03303	DATE DELIVERED	
MODIFICATION NO.		DLR CODE	
AR NO.	2W0161	PERF SPEC	014053
OEM NO.		MAX ALT	2000M
FULL LOAD STATIC FUEL	2.24 MM	FULL TORQ. STATIC FUEL	
POWER	413 HP	A/F RATIO DYNAMIC	
BARE ENG. HI IDLE RPM	1543	FULL LOAD RPM	1500
		FUEL TIMING	30.0 BTC
4W5140 4			

2022.7.1 18:45







aux. engine. alternater



2022.7.1 18:51