

Manufacturer CATERPILLAR INC., LAFAYETTE, INDIANA	Works order No. RK712
Type designation 3508 DITA	Serial No. 23Z04350
Ordered by EUREKA	Order No. 18220-1833
Intended for (Yard, Ship, Rig, Installation)	Yard No. or Signal letters

THIS IS TO CERTIFY that the diesel engine, described below, has been built and tested in accordance with the requirements of:

<input type="checkbox"/> MAIN ENGINE					<input checked="" type="checkbox"/> AUXILIARY ENGINE		
2-stroke	4-stroke	Number of cylinders	Diameter of cylinders	Length of stroke	MAXIMUM CONTINUOUS OUTPUT		
	<input checked="" type="checkbox"/>	8	170 mm	190 mm	810 BHP 604 kW	at 1800 r.p.m.	
MAXIMUM FIRING PRESSURE		at	Indicated	Effective	at	MAIN COLUMNS	
120 bar		1800 r.p.m.	13.75 bar	11.67 bar	1800 r.p.m.	Cast	Welded
BEDPLATE		SUPERCHARGER			Type		
Cast	Welded	Make	Type			Number	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	AIRESEARCH	TW81			2	
TORSIONAL VIBRATION DAMPER				IMPORTANT CONNECTED PUMPS			
Make		Type	F.O.; L.O.; S.W.; F.W.				
CATERPILLAR		VISCONIC					

Remarks

The engine was stamped	The marking is placed on
NV	CYLINDER BLOCK ADJACENT TO SERIAL NUMBER PLATE
23Z04350	The following components, which must be surveyed after the installation, are not included in the certificate:

Material certificates and drawings with dates of approval, see reverse side.	Place River Edge, New Jersey
When this certificate is issued based on VERITAS approval and auditing of the manufacturers QA-system mark x in corner below.	Date July 13, 1992
	<i>Dominick Cantore</i> Surveyor Dominick Cantore



NV 1.87.

☒ If marked x, see reverse side.

It is agreed that save as provided below Det norske Veritas, its subsidiaries, bodies, officers, directors, employees and agents shall have no liability for any loss, damage or expense alleged to have been caused directly or indirectly by their mistake or negligence, breach of warranty, or any other act, omission or error by them, including gross negligence or wilful misconduct by any such person with the exception of gross negligence or wilful misconduct by the governing bodies or senior executive officers of Det norske Veritas. This applies regardless of whether the loss, damage or expense has affected anyone with whom Det norske Veritas or its subsidiaries or a third party who has acted or relied on decisions made or information given by or on behalf of Det norske Veritas. However, if any person uses the services of Det norske Veritas or its subsidiaries or relies on any decision made or information given by or on behalf of them and in consequence suffers a loss, damage or expense proved to be due to their negligence, omission or default, then Det norske Veritas will pay by way of compensation to such person a sum representing his proved loss. In the event Det norske Veritas or its subsidiaries may be held liable in accordance with the sections above, the amount of compensation shall under no circumstances exceed the amount of the fee, if any, charged for that particular service, decision, advice or information. Under no circumstances whatsoever shall the individual or individuals who have personally caused the loss, damage or expense be held liable. In the event that any provision in this section shall be invalid under the law of any jurisdiction, the validity of the remaining provisions shall not in any way be affected.

Certificate No.

225/92

Marking and certificate number for the different parts

Drawings with dates of approval

The UNDERSIGNED MANUFACTURER CERTIFIES that the product specified on the other side has been built and tested in accordance with the following Rules / Regulations / Codes / Standards:

and complies with the conditions stated in the Type Approval Certificate No. M-6437

This certificate is issued on the basis of the Production Survey Arrangement No. 1060/02/88 decided by Veritas for the product. The survey arrangement is based on Veritas' approval of the Manufacturer's Quality Assurance System which is subject to auditing by Veritas Surveyors.

This PRODUCT CERTIFICATE is valid only when endorsed by a Veritas Surveyor. The endorsement is a statement that the Manufacturer's Quality Assurance System for the products in question has been audited and found to operate satisfactorily.

SIGNED ON BEHALF OF THE MANUFACTURER:

Name S.J. SETLAK

Place LAFAYETTE, INDIANA

Position QUALITY & TECHNICAL SUPPORT MANAGER Date JULY 10, 1992