

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR TA230 142551-1513 - Diesel Engine

Sample No: LH0265424

Oil Type: NOT GIVEN



LES ENTREPRISES LOU-VIL INC
 255 BOUL. LOUIS XIV
 QUEBEC, QC
 CA G2K 1W6
 Contact: Service Manager

T: (418)622-2958
 F:



SAMPLE INFORMATION

Sample Number	LH0265424	---	---	---
Sample Date	01 Aug 2023	---	---	---
Machine Hours	1132	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	11.2	---	---	---
Oxidation (PA)	%	159	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	92	---	---	---
Sulfation (PA)	%	93	---	---	---
Glycol	%	0.0	---	---	---
Fuel	%	1	---	---	---
Silicon	ppm	13	---	---	---
Sodium	ppm	7	---	---	---
Potassium	ppm	2	---	---	---



WEAR METALS

Iron	ppm	18	---	---	---
Copper	ppm	405	---	---	---
Lead	ppm	10	---	---	---
Tin	ppm	2	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	43	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1270	---	---	---
Magnesium	ppm	925	---	---	---
Zinc	ppm	889	---	---	---
Phosphorus	ppm	802	---	---	---
Barium	ppm	28	---	---	---
Boron	ppm	53	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. All component wear rates are normal. Light fuel dilution occurring. The water content is negligible. No other contaminants were detected in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: LOUQUE
Unique No: 5619514
Signed: Kevin Marson
Report Date: 09 Aug 2023



GRAPHS

