

LIEBHERR

CONSTRUCTION EQUIPMENT



2015.04.0211 - Diesel Engine

Sample No: LH0278807

Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH0278807	---	---	---
Sample Date	02 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR CANADA LTD. - REMAN
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
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OIL CONDITION

Visc @ 100°C	cSt	10.3	---	---	---
Oxidation (PA)	%	29	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	32	---	---	---
Sulfation (PA)	%	40	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.1	---	---	---
Silicon	ppm	2	---	---	---
Sodium	ppm	5	---	---	---
Potassium	ppm	0	---	---	---



WEAR METALS

Iron	ppm	3	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	28	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	483	---	---	---
Magnesium	ppm	395	---	---	---
Zinc	ppm	727	---	---	---
Phosphorus	ppm	596	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	3	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. 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. 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: REMAN
 Unique No: 5671181
 Signed: Kevin Marson
 Report Date: 07 Nov 2023



GRAPHS

