

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60 152284 - Diesel Engine

Sample No: LH0284975

Oil Type: {unknown}



LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
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SAMPLE INFORMATION

Sample Number	LH0284975	---	---	---
Sample Date	14 Feb 2024	---	---	---
Machine Hours	596	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	MARGINAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	● 11.9	---	---	---
Oxidation (PA)	%	229	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	● 0	---	---	---
Nitration (PA)	%	113	---	---	---
Sulfation (PA)	%	117	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	● 2	---	---	---
Silicon	ppm	● 10	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 3	---	---	---



WEAR METALS

Iron	ppm	● 14	---	---	---
Copper	ppm	● 264	---	---	---
Lead	ppm	● 8	---	---	---
Tin	ppm	● 1	---	---	---
Aluminum	ppm	● 4	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 47	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 1379	---	---	---
Magnesium	ppm	● 932	---	---	---
Zinc	ppm	● 833	---	---	---
Phosphorus	ppm	● 715	---	---	---
Barium	ppm	● 24	---	---	---
Boron	ppm	● 83	---	---	---

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. Please specify the brand, type, and viscosity of the oil on your next sample. Metal levels are typical for a new component breaking in. Light fuel dilution occurring. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEMIS
 Unique No: 5733004
 Signed: Kevin Marson
 Report Date: 16 Feb 2024



GRAPHS

