

LIEBHERR

CONSTRUCTION EQUIPMENT



115469 - Diesel Engine

Sample No: LH0284037

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH0284037	---	---	---
Sample Date	02 Feb 2024	---	---	---
Machine Hours	530	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	MARGINAL	---	---	---

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 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
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OIL CONDITION

Visc @ 100°C	cSt	11.7	---	---	---
Oxidation (PA)	%	206	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	94	---	---	---
Sulfation (PA)	%	110	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	2.4	---	---	---
Silicon	ppm	8	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	3	---	---	---



WEAR METALS

Iron	ppm	11	---	---	---
Copper	ppm	92	---	---	---
Lead	ppm	3	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	44	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1353	---	---	---
Magnesium	ppm	888	---	---	---
Zinc	ppm	829	---	---	---
Phosphorus	ppm	703	---	---	---
Barium	ppm	14	---	---	---
Boron	ppm	97	---	---	---

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. 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: LIEMIS
 Unique No: 5722750
 Signed: Kevin Marson
 Report Date: 07 Feb 2024



GRAPHS

