

LIEBHERR

CONSTRUCTION EQUIPMENT



2001.02.3478 (S/N 2001023478) - Diesel Engine

Sample No: LH0274339

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH0274339	---	---	---
Sample Date	31 Mar 2024	---	---	---
Machine Hours	50	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR CANADA LTD. - REMAN
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 CA L7L 5Z8
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OIL CONDITION

Visc @ 100°C	cSt	13.1	---	---	---
Base Number (BN)	mg KOH/g	10.6	---	---	---
Oxidation (PA)	%	65	---	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	62	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	21	---	---	---
Sodium	ppm	18	---	---	---
Potassium	ppm	2	---	---	---



WEAR METALS

Iron	ppm	21	---	---	---
Copper	ppm	17	---	---	---
Lead	ppm	3	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	73	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	1458	---	---	---
Magnesium	ppm	1283	---	---	---
Zinc	ppm	1583	---	---	---
Phosphorus	ppm	1274	---	---	---
Barium	ppm	79	---	---	---
Boron	ppm	94	---	---	---

Depot: REMAN
Unique No: 10954162
Signed: Wes Davis
Report Date: 02 Apr 2024



GRAPHS

