

LIEBHERR

CONSTRUCTION EQUIPMENT



[[12]] NO UNIT 02581309 - Diesel Engine

Sample No: LH
 Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH	---	---	---
Sample Date	10 Sep 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR CANADA LTEE
 444 AVENUE DE LA FRICHE
 DOLBEAU-MISTASSINI, QC
 CA G8L 3M7
 Contact: Marie-Eve Belley
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OIL CONDITION

Visc @ 100°C	cSt	12.1	---	---	---
Oxidation (PA)	%	206	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	103	---	---	---
Sulfation (PA)	%	111	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.7	---	---	---
Silicon	ppm	10	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	2	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	12	---	---	---
Copper	ppm	227	---	---	---
Lead	ppm	7	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	45	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1354	---	---	---
Magnesium	ppm	942	---	---	---
Zinc	ppm	869	---	---	---
Phosphorus	ppm	788	---	---	---
Barium	ppm	22	---	---	---
Boron	ppm	117	---	---	---

Depot: LBADOL
 Unique No: 5642374
 Signed: Kevin Marson
 Report Date: 12 Sep 2023



GRAPHS

