

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 145273-1253 - Diesel Engine

Sample No: LH

Oil Type: PETRO CANADA DURON UHP 5W30



SAMPLE INFORMATION

Sample Number	LH	---	---	---
Sample Date	20 Dec 2023	---	---	---
Machine Hours	500	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

METALEX RECYCLAGE

1646 ROUTE 169
SAINT-FELICIEEN, QC
CA G8K 3A2
Contact: Service Manager



OIL CONDITION

Visc @ 100°C	cSt	11.7	---	---	---
Oxidation (PA)	%	188	---	---	---

T:
F:



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	98	---	---	---
Sulfation (PA)	%	104	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	4	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	11	---	---	---
Copper	ppm	177	---	---	---
Lead	ppm	8	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	55	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1364	---	---	---
Magnesium	ppm	879	---	---	---
Zinc	ppm	842	---	---	---
Phosphorus	ppm	667	---	---	---
Barium	ppm	19	---	---	---
Boron	ppm	104	---	---	---

Depot: MET164SAI
Unique No: 5698267
Signed: Kevin Marson
Report Date: 27 Dec 2023



GRAPHS

