

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 139284-1253 - Diesel Engine

Sample No: LH0241859

Oil Type: SHELL ROTELLA T4 15W40



SAMPLE INFORMATION

Sample Number	LH0241859	---	---	---
Sample Date	06 Jul 2023	---	---	---
Machine Hours	1668	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

HUBERT & FILS

474 ROUTE 105
BOIS-FRANC, QC
CA J9E 3A9

Contact: Eric Brisebois
ericbrisebois99@gmail.com

T:
F:



OIL CONDITION

Visc @ 100°C	cSt	13.4	---	---	---
Oxidation (PA)	%	77	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	72	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	3	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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	4	---	---	---
Copper	ppm	6	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	5	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1973	---	---	---
Magnesium	ppm	106	---	---	---
Zinc	ppm	1100	---	---	---
Phosphorus	ppm	944	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	94	---	---	---

Depot: HUBBOI
Unique No: 5607569
Signed: Wes Davis
Report Date: 18 Jul 2023



GRAPHS

