

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 1253-146764 - Diesel Engine

Sample No: LH0276509

Oil Type: PETRO CANADA DURON UHP 5W40



TRAM CONSTRUCTION

9279 E KY 8

GARRISON, KY

US 41141

Contact: Service Manager

T:

F:

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. No other contaminants were detected in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



SAMPLE INFORMATION

Sample Number	LH0276509	---	---	---
Sample Date	08 Feb 2024	---	---	---
Machine Hours	1019	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	11.2	---	---	---
Base Number (BN)	mg KOH/g	7.8	---	---	---
Oxidation (PA)	%	101	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	83	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.4	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	0	---	---	---
Potassium	ppm	<1	---	---	---



WEAR METALS

Iron	ppm	6	---	---	---
Copper	ppm	72	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	47	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1315	---	---	---
Magnesium	ppm	868	---	---	---
Zinc	ppm	864	---	---	---
Phosphorus	ppm	634	---	---	---
Barium	ppm	6	---	---	---
Boron	ppm	86	---	---	---

Depot: TRAGARLH

Unique No: 10876680

Signed: Sean Felton

Report Date: 16 Feb 2024



GRAPHS

