

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 1253-143895 - Diesel Engine

Sample No: LH0276314

Oil Type: PETRO CANADA DURON UHP 5W30



SAMPLE INFORMATION

Sample Number	LH0276314	---	---	---
Sample Date	05 Jan 2024	---	---	---
Machine Hours	562	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

TRAM CONSTRUCTION

9279 E KY 8

GARRISON, KY

US 41141

Contact: Service Manager



OIL CONDITION

Visc @ 100°C	cSt	11.4	---	---	---
Base Number (BN)	mg KOH/g	3.9	---	---	---
Oxidation (PA)	%	212	---	---	---

T:

F:

Diagnosis



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	100	---	---	---
Sulfation (PA)	%	111	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	12	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	2	---	---	---



WEAR METALS

Iron	ppm	15	---	---	---
Copper	ppm	271	---	---	---
Lead	ppm	6	---	---	---
Tin	ppm	2	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	47	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	1375	---	---	---
Magnesium	ppm	912	---	---	---
Zinc	ppm	884	---	---	---
Phosphorus	ppm	730	---	---	---
Barium	ppm	28	---	---	---
Boron	ppm	87	---	---	---

Depot: TRAGARLH

Unique No: 10831435

Signed: Doug Bogart

Report Date: 16 Jan 2024



GRAPHS

