

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 1253-143895 - Diesel Engine

Sample No: LH0276317

Oil Type: PETRO CANADA DURON UHP 5W30



TRAM CONSTRUCTION
 9279 E KY 8
 GARRISON, KY
 US 41141
 Contact: Service Manager

T:
 F:



Sample Information

Sample Number	LH0276317	LH0276314	---	---
Sample Date	17 Apr 2024	05 Jan 2024	---	---
Machine Hours	974	562	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---



Oil Condition

Visc @ 100°C	cSt	11.0	11.4	---	---
Base Number (BN)	mg KOH/g	8.9	3.9	---	---
Oxidation (PA)	%	85	212	---	---



Contamination

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	74	100	---	---
Sulfation (PA)	%	54	111	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	12	---	---
Sodium	ppm	1	3	---	---
Potassium	ppm	2	2	---	---



Wear Metals

Iron	ppm	5	15	---	---
Copper	ppm	28	271	---	---
Lead	ppm	<1	6	---	---
Tin	ppm	<1	2	---	---
Aluminum	ppm	2	4	---	---
Chromium	ppm	<1	2	---	---
Molybdenum	ppm	46	47	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	1	---	---
Vanadium	ppm	<1	<1	---	---



Additives

Calcium	ppm	1278	1375	---	---
Magnesium	ppm	859	912	---	---
Zinc	ppm	863	884	---	---
Phosphorus	ppm	715	730	---	---
Barium	ppm	3	28	---	---
Boron	ppm	115	87	---	---

Diagnosis

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. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: TRAGARLH
 Unique No: 11004547
 Signed: Wes Davis
 Report Date: 30 Apr 2024



Graphs

