

LIEBHERR

CONSTRUCTION EQUIPMENT



[(355228)] LIEBHERR LH60M 114198-1217 - Pump Drive

Sample No: LH0290535

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Sample Information

Sample Number	LH0290535	LH0286404	LH0225137	---
Sample Date	11 Jul 2024	09 Jun 2024	07 Dec 2023	---
Machine Hours	10000	9765	8004	---
Oil Hours	0	0	0	---
Oil Changed	Changed	N/A	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

AltaSteel

9401 34 St NW
Edmonton, AB
CA T6B 2X6
Contact: Richard Bailey
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T:
F:



Oil Condition

Visc @ 40°C	cSt	76.1	80.9	91.7	---
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Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	1	1	2	---
Sodium	ppm	<1	4	<1	---
Potassium	ppm	<1	<1	1	---



Wear Metals

Iron	ppm	18	14	8	---
Copper	ppm	3	2	<1	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	<1	<1	0	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	0	0	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	113	87	39	---
Magnesium	ppm	1	1	<1	---
Zinc	ppm	214	163	41	---
Phosphorus	ppm	1129	1114	1206	---
Barium	ppm	0	<1	0	---
Boron	ppm	235	248	289	---

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 oil viscosity is lower than typical, possibly indicating the addition of lighter grade oil. The condition of the oil is acceptable for the time in service.

Depot: ALT940EDM
Unique No: 5814326
Signed: Kevin Marson
Report Date: 19 Jul 2024



Graphs

