

LIEBHERR

CONSTRUCTION EQUIPMENT



054897-1650 - Right Final Drive

Sample No: LH0292449

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Sample Information

Sample Number	LH0292449	LH0243060	---	---
Sample Date	18 Jun 2024	17 Jan 2023	---	---
Machine Hours	1937	641	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	SEVERE	NORMAL	---	---

Delsan - American Iron and Metal
 2187 Montee Masson
 Laval, QC
 CA H7B 0A6
 Contact: MANNY MARQUES
 mmarques@delsan-aim.com
 T:
 F:



Oil Condition

Visc @ 40°C	cSt	170	● 195	---	---
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Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● 147	● 16	---	---
Sodium	ppm	● 10	● 6	---	---
Potassium	ppm	● 12	● 3	---	---



Wear Metals

Iron	ppm	● 312	● 170	---	---
Copper	ppm	● 5	● <1	---	---
Lead	ppm	● 180	● <1	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	41	● 5	---	---
Chromium	ppm	● 9	● 5	---	---
Molybdenum	ppm	● 1	● 0	---	---
Nickel	ppm	● 1	● <1	---	---
Titanium	ppm	4	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	● 4	● 3	---	---
Vanadium	ppm	<1	0	---	---



Additives

Calcium	ppm	● 94	21	---	---
Magnesium	ppm	30	● 2	---	---
Zinc	ppm	● 52	24	---	---
Phosphorus	ppm	2093	1258	---	---
Barium	ppm	● 2	● 11	---	---
Boron	ppm	4	● 6	---	---

Diagnosis

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Lead ppm levels are severe. Antimony ppm levels are abnormal. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within SAE 90 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: DEL782MON
 Unique No: 5801751
 Signed: Kevin Marson
 Report Date: 27 Jun 2024



Graphs

