

LIEBHERR

CONSTRUCTION EQUIPMENT



054897-1650 - Left Final Drive

Sample No: LH0292451

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Sample Information

Sample Number	LH0292451	LH0243059	---	---
Sample Date	18 Jun 2024	17 Jan 2023	---	---
Machine Hours	1937	641	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	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	187	● 195	---	---
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Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● 40	● 22	---	---
Sodium	ppm	● 4	● 7	---	---
Potassium	ppm	● 5	● 4	---	---



Wear Metals

Iron	ppm	● 141	● 180	---	---
Copper	ppm	● <1	● <1	---	---
Lead	ppm	● 7	● 0	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 11	● 6	---	---
Chromium	ppm	● 6	● 6	---	---
Molybdenum	ppm	● 0	● <1	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 2	● 3	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	42	22	---	---
Magnesium	ppm	● 6	● 2	---	---
Zinc	ppm	22	24	---	---
Phosphorus	ppm	2185	1311	---	---
Barium	ppm	● 2	● 14	---	---
Boron	ppm	2	● 6	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: DEL782MON
Unique No: 5801752
Signed: Wes Davis
Report Date: 26 Jun 2024



Graphs

