

LIEBHERR

CONSTRUCTION EQUIPMENT



054897-1650 - Swing Drive

Sample No: LH0292448

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Sample Information

Sample Number	LH0292448	LH0243058	---	---
Sample Date	18 Jun 2024	17 Jan 2023	---	---
Machine Hours	1937	641	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	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	243	176	---	---
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Contamination

Water	%	0.384	NEG	---	---
Silicon	ppm	2	4	---	---
Sodium	ppm	1	4	---	---
Potassium	ppm	<1	<1	---	---



Wear Metals

PQ		0	---	---	---
Iron	ppm	804	137	---	---
Copper	ppm	<1	0	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	12	3	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	9	2	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	7	18	---	---
Magnesium	ppm	<1	3	---	---
Zinc	ppm	11	14	---	---
Phosphorus	ppm	2103	2492	---	---
Barium	ppm	<1	5	---	---
Boron	ppm	6	2	---	---

Diagnosis

We advise that you check for the source of water entry. 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. Chromium and iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is a moderate concentration of water present in the oil. Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within SAE 80W140 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: DEL782MON
Unique No: 5801753
Signed: Kevin Marson
Report Date: 28 Jun 2024



Graphs

