

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR HS8100 184908 - Left Track Drive

Sample No: LH0277708

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Tillsonburg Ready-Mix Inc.
 10 Elm Street
 Tillsonburg, ON
 CA N4G 0A7
 Contact: Service Manager



Sample Information

Sample Number	LH0277708	LH0251532	LH0230702	---
Sample Date	12 Oct 2023	23 Jan 2023	22 Jul 2022	---
Machine Hours	12289	10946	10063	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---



Oil Condition

Visc @ 40°C	cSt	89.2	98.9	99.6	---
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T:
F:



Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	77	35	9	---
Sodium	ppm	5	2	1	---
Potassium	ppm	6	3	<1	---

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.



Wear Metals

Iron	ppm	87	36	13	---
Copper	ppm	16	4	3	---
Lead	ppm	<1	0	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	17	9	2	---
Chromium	ppm	<1	<1	0	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	<1	0	<1	---
Manganese	ppm	1	<1	<1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	111	71	29	---
Magnesium	ppm	8	6	4	---
Zinc	ppm	8	9	12	---
Phosphorus	ppm	746	1302	1260	---
Barium	ppm	<1	0	0	---
Boron	ppm	27	310	319	---

Depot: TIL10TIL
 Unique No: 5658782
 Signed: Wes Davis
 Report Date: 17 Oct 2023



Graphs

