

LIEBHERR

CONSTRUCTION EQUIPMENT



[[575873]] LIEBHERR HS8100 184908 - 2 Winch

Sample No: LH0277704

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	LH0277704	LH0251530	LH0230697	---
Sample Date	12 Oct 2023	23 Jan 2023	22 Jul 2022	---
Machine Hours	12289	10946	10063	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Changed	N/A	---
Sample Status	ABNORMAL	SEVERE	NORMAL	---



Oil Condition

Visc @ 40°C	cSt	95.3	97.0	70.8	---
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T:
F:



Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<1	11	<1	---
Sodium	ppm	1	<1	<1	---
Potassium	ppm	0	0	0	---

Diagnosis

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition. All component wear rates are normal. Free water present. The oil is no longer serviceable due to the presence of contaminants.



Wear Metals

PQ		---	0	---	---
Iron	ppm	32	1961	7	---
Copper	ppm	3	47	3	---
Lead	ppm	<1	2	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	0	<1	0	---
Chromium	ppm	0	26	0	---
Molybdenum	ppm	0	1	0	---
Nickel	ppm	<1	9	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	0	14	0	---
Vanadium	ppm	0	<1	0	---



Additives

Calcium	ppm	12	25	66	---
Magnesium	ppm	2	<1	2	---
Zinc	ppm	79	67	255	---
Phosphorus	ppm	926	1303	980	---
Barium	ppm	<1	0	0	---
Boron	ppm	97	255	183	---

Depot: TIL10TIL
 Unique No: 5658801
 Signed: Kevin Marson
 Report Date: 18 Oct 2023



Graphs

