

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [[575873]] LIEBHERR HS8100 184908 - 1 Winch

Sample No: LH0277706

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	LH0277706	LH0251529	LH0230698	---
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	ABNORMAL	SEVERE	---



#### Oil Condition

Visc @ 40°C	cSt	85.3	93.3	102	---
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T:  
F:



#### Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	7	<1	3	---
Sodium	ppm	1	<1	1	---
Potassium	ppm	0	0	0	---

#### Diagnosis

We recommend that you drain the oil from the component if this has not already been done. 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 diagnosis reflects updated information on this component. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



#### Wear Metals

PQ		31	---	0	---
Iron	ppm	971	19	315	---
Copper	ppm	25	3	15	---
Lead	ppm	1	<1	1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	0	<1	---
Chromium	ppm	13	0	3	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	3	0	1	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	8	<1	3	---
Vanadium	ppm	0	0	<1	---



#### Additives

Calcium	ppm	9	36	10	---
Magnesium	ppm	2	2	3	---
Zinc	ppm	47	81	87	---
Phosphorus	ppm	802	1316	1209	---
Barium	ppm	0	0	0	---
Boron	ppm	57	283	173	---

Depot: TIL10TIL  
 Unique No: 5658780  
 Signed: Kevin Marson  
 Report Date: 18 Oct 2023



### Graphs

