

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [[585367]] LIEBHERR HS8130 185282-2 Winch

Sample No: LH0277815

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	LH0277815	LH0247067	LH0133396	---
Sample Date	17 Nov 2023	03 Feb 2023	09 Dec 2020	---
Machine Hours	8008	6292	1700	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

HIGGS & HIGGS

RR # 4

ST THOMAS, ON

CA N5P 3S8

Contact: Bernie Higgs



#### OIL CONDITION

Visc @ 40°C	cSt	96.9	97.2	131	---
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T: (519)631-4095

F: (519)631-2745



#### CONTAMINATION

Water	%	0.090	NEG	NEG	---
Silicon	ppm	2	2	3	---
Sodium	ppm	<1	<1	1	---
Potassium	ppm	0	<1	<1	---

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	39	18	41	---
Copper	ppm	14	4	5	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	0	2	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	<1	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	10	10	34	---
Magnesium	ppm	2	2	3	---
Zinc	ppm	46	148	25	---
Phosphorus	ppm	1154	1340	850	---
Barium	ppm	<1	<1	3	---
Boron	ppm	188	241	92	---

Depot: HIGSTT

Unique No: 5683016

Signed: Kevin Marson

Report Date: 24 Nov 2023



### GRAPHS

