

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR 185289 - Luffing Winch

Sample No: LH0270276

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### Sample Information

Sample Number	LH0270276	---	---	---
Sample Date	29 Sep 2023	---	---	---
Machine Hours	3024	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

#### Harbour Development

380 Bayside Dr  
 St John, NB  
 CA E2J 4Y8  
 Contact: Darien Edison  
 edison.darien@harbourdev.com  
 T:  
 F:



#### Oil Condition

Visc @ 40°C	cSt	● 107	---	---	---
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#### Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 4	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 1	---	---	---



#### Wear Metals

Iron	ppm	● 74	---	---	---
Copper	ppm	● 10	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



#### Additives

Calcium	ppm	● 17	---	---	---
Magnesium	ppm	● 7	---	---	---
Zinc	ppm	● 134	---	---	---
Phosphorus	ppm	● 1126	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 167	---	---	---

#### Diagnosis

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

Depot: HAR380STJ  
 Unique No: 5656333  
 Signed: Wes Davis  
 Report Date: 05 Oct 2023



### Graphs

