

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 115070 - Crowd Winch Drive

Sample No: LH0289455

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### Sample Information

Sample Number	LH0289455	LH0242622	---	---
Sample Date	04 Apr 2024	17 Oct 2022	---	---
Machine Hours	1873	325	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	SEVERE	---	---

**LIEBHERR CANADA LTD.**  
 1015 SUTTON DRIVE  
 BURLINGTON, ON  
 CA L7L 5Z8  
 Contact: Steve Lehto  
 steve.lehto@liebherr.com  
 T: (905)319-9222  
 F: (905)319-6617



#### Oil Condition

Visc @ 40°C	cSt	● 103	● 188	---	---
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#### Contamination

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

#### 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.



#### Wear Metals

PQ		---	● 611	---	---
Iron	ppm	● 171	● 926	---	---
Copper	ppm	2	1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	1	---	---
Chromium	ppm	● 2	● 14	---	---
Molybdenum	ppm	● 0	● <1	---	---
Nickel	ppm	● <1	● 2	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 1	● 7	---	---
Vanadium	ppm	0	0	---	---



#### Additives

Calcium	ppm	● 10	● 14	---	---
Magnesium	ppm	● 2	● <1	---	---
Zinc	ppm	19	● 18	---	---
Phosphorus	ppm	● 1145	831	---	---
Barium	ppm	● <1	● 4	---	---
Boron	ppm	● 252	3	---	---

Depot: LIEMIS  
 Unique No: 5760866  
 Signed: Wes Davis  
 Report Date: 09 Apr 2024



### Graphs

