

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LB28 115656 - Crowd Winch Drive

Sample No: LH0286505

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### Sample Information

Sample Number	LH0286505	LH0151101	LH0203772	---
Sample Date	21 Jun 2024	10 Mar 2022	30 May 2021	---
Machine Hours	7386	4333	3000	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

LIEBHERR CANADA LTD.

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#### Oil Condition

Visc @ 40°C	cSt	95.6	96.4	100	---
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#### Contamination

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

#### 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

Iron	ppm	12	24	20	---
Copper	ppm	<1	1	1	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



#### Additives

Calcium	ppm	19	13	25	---
Magnesium	ppm	2	2	2	---
Zinc	ppm	11	8	11	---
Phosphorus	ppm	1268	1308	1161	---
Barium	ppm	0	0	<1	---
Boron	ppm	308	324	293	---

Depot: LIESPR

Unique No: 5814343

Signed: Wes Davis

Report Date: 18 Jul 2024



### Graphs

