

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(341438) [592207]] LIEBHERR LH60C119413-1528 - Right Fin

Sample No: LH0281028

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	<b>LH0281028</b>	LH0221792	LH0210571	LH0151151
Sample Date	<b>24 Jan 2024</b>	10 Aug 2022	24 Feb 2022	25 Nov 2021
Machine Hours	<b>8175</b>	6039	4915	4124
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**AltaSteel**  
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 Edmonton, AB  
 CA T6B 2X6  
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 T:  
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#### OIL CONDITION

Visc @ 40°C	cSt	● <b>97.7</b>	● 108	● 192	● 190
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● <b>39</b>	● 60	● 25	● 25
Sodium	ppm	● <b>1</b>	● 3	● 3	● 3
Potassium	ppm	● <b>2</b>	● 2	● 1	● 5



#### WEAR METALS

Iron	ppm	● <b>115</b>	● 129	● 89	● 81
Copper	ppm	● <b>7</b>	● 14	● 7	● 8
Lead	ppm	● <b>0</b>	● <1	● <1	● <1
Tin	ppm	● <b>0</b>	● <1	<1	0
Aluminum	ppm	● <b>5</b>	● 10	● 4	● 4
Chromium	ppm	● <b>2</b>	● 3	● 2	● 2
Molybdenum	ppm	● <b>0</b>	● 0	● <1	● <1
Nickel	ppm	● <b>1</b>	2	● 2	● 2
Titanium	ppm	<b>0</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	● <b>1</b>	● 4	● 2	● 2
Vanadium	ppm	<b>0</b>	<1	0	0



#### ADDITIVES

Calcium	ppm	● <b>37</b>	● 45	● 15	● 20
Magnesium	ppm	● <b>6</b>	● 8	● 3	● 4
Zinc	ppm	● <b>18</b>	● 7	● 6	● 9
Phosphorus	ppm	● <b>1218</b>	● 1740	● 2423	● 2399
Barium	ppm	● <b>&lt;1</b>	● <1	● 0	● 0
Boron	ppm	● <b>284</b>	● 173	● 2	● 5

#### 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:** ALT940EDM  
**Unique No:** 5748614  
**Signed:** Wes Davis  
**Report Date:** 20 Mar 2024

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### GRAPHS

