

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [NACG] 115117 - Splitter Box

Sample No: LH0292436

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### Sample Information

Sample Number	LH0292436	---	---	---
Sample Date	04 Jul 2024	---	---	---
Machine Hours	5402	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

#### LIEBHERR CANADA LTD.

1015 SUTTON DRIVE  
BURLINGTON, ON  
CA L7L 5Z8

Contact: Steve Lehto  
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#### Oil Condition

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

Water	%	● 0.473	---	---	---
Silicon	ppm	● 4	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 2	---	---	---



#### Wear Metals

Iron	ppm	● 58	---	---	---
Copper	ppm	● 109	---	---	---
Lead	ppm	● 4	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	● 2	---	---	---
Vanadium	ppm	<1	---	---	---



#### Additives

Calcium	ppm	● 42	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 256	---	---	---
Phosphorus	ppm	● 990	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 83	---	---	---

#### Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. NOTE: Test values may be askew due high concentration of free water present in sample. Copper ppm levels are severe. Bearing and/or bushing wear is indicated. There is a high concentration of water present in the oil. Free water present. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: LIEMIS  
Unique No: 5812339  
Signed: Kevin Marson  
Report Date: 16 Jul 2024



### Graphs

