

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 115059 - Splitter Box

Sample No: LH0225009

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	LH0225009	LH0203743	---	---
Sample Date	02 Aug 2023	20 Aug 2021	---	---
Machine Hours	3172	1072	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	SEVERE	NORMAL	---	---

LIEBHERR CANADA LTD.

10374 267 ST.

ACHESON, AB

CA T7X 6A2

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#### OIL CONDITION

Visc @ 40°C	cSt	87.3	184	---	---
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#### CONTAMINATION

Silicon	ppm	5	2	---	---
Sodium	ppm	2	3	---	---
Potassium	ppm	<1	1	---	---



#### WEAR METALS

PQ		0	---	---	---
Iron	ppm	379	38	---	---
Copper	ppm	32	12	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	6	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	3	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	3	5	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	15	18	---	---
Magnesium	ppm	2	3	---	---
Zinc	ppm	165	135	---	---
Phosphorus	ppm	1182	1161	---	---
Barium	ppm	<1	2	---	---
Boron	ppm	157	<1	---	---

#### Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Iron ppm levels are severe. Chromium and copper ppm levels are abnormal. Nickel ppm levels are noted. Bearing and/or bushing wear is indicated. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: LIESPR

Unique No: 5630636

Signed: Kevin Marson

Report Date: 23 Aug 2023



### GRAPHS

