# LIEBHERR

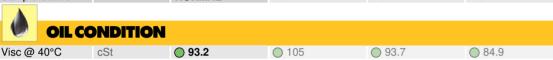
## **CONSTRUCTION EQUIPMENT**



Sample No: LH0278350

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC

SAMPLE INFOR	MATION			
Sample Number	LH0278350	LH0234503	LH0194935	LH0132716
Sample Date	28 Nov 2023	27 Jun 2022	31 Aug 2021	09 Jun 2020
Machine Hours	20736	17693	15995	14601
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



CONTAMINATION						
Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	<b>2</b>	O 2	O 2	O 2	
Sodium	ppm	<b>2</b>	O <1	O <1	O 2	
Potassium	ppm	<b>()</b> <1	O <1	O <1	O <1	

<b>(O)</b>					
WEA	R METALS				
Iron	ppm	<b>7</b>	O 14	O 22	O 49
Copper	ppm	<b>0</b> <1	O <1	<b>3</b>	<b>9</b>
Lead	ppm	<b>()</b> <1	O <1	0	O <1
Tin	ppm	<b>0</b>	<b>0</b>	O <1	O 0
Aluminum	ppm	<b>0</b> <1	O 0	O <1	O <1
Chromium	ppm	<b>0</b>	O 0	0	O <1
Molybdenum	ppm	<b>10</b>	O <1	O <1	O <1
Nickel	ppm	<b>0</b>	O 0	O <1	O <1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	O 0	0	O <1
Manganese	ppm	<b>0</b>	O <1	O <1	O <1
Vanadium	ppm	0	0	0	0

ADDITIVES	
Calcium         ppm <b>○ 155</b> ○ 8         ○ 8         ○ 33	
Magnesium         ppm         185         3         1         2	
<b>Zinc</b> ppm <b>223</b> 0 10 0 6	
<b>Phosphorus</b> ppm <b>◯ 1168 ◯</b> 1178 <b>◯</b> 1296 <b>◯</b> 1342	
<b>Barium</b> ppm <b>○ 0</b> ○ 0 ○ <1	
Boron ppm <b>252 3</b> 01 <b>3</b> 22	



Dartmouth Metals & Bottle Ltd.

14 Dawn Drive Dartmouth, NS CA B3B 1H9 Contact: Service

T: F:

#### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: DAR14DAR
Unique No: 5709015
Signed: Kevin Marson
Report Date: 11 Jan 2024

CONSTRUCTION EQUIPMENT





### **GRAPHS**

