## BHERR **CONSTRUCTION EQUIPMENT**

## LIEBHERR LH50M 097459-1216 - Swing Drive

PETRO CANADA TRAXON 75W90 SYNTHETIC

Sample No: LH0194735

**Oil Type:** 

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	<b>APLE INF</b>	ORMATION			
Sample Number		LH0194735	LH0194635	LH0183465	LH0180236
Sample Date		29 Oct 2021	25 Jul 2021	08 Feb 2021	06 Oct 2020
Machine Hours		20093	18995	8850	0
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	N/A	Changed
Sample Status		ABNORMAL	NORMAL	ABNORMAL	ABNORMAL
OIL (	CONDITI	ON			
Visc @ 40°C	cSt	<b>0</b> 101	96.6	99.8	0 102
CONTAMINATION					

	TAMINA	TION				
Silicon	ppm	05	0 4	○ 5	○ 5	
Sodium	ppm	<mark></mark> <1	0 2	3	○ <1	
Potassium	ppm	01	◯ <1	02	○ <1	

	R METALS				
PQ		0		0	8
Iron	ppm	<mark>()</mark> 1396	0 11	0 1045	0 1265
Copper	ppm	0 81	01	0 80	0 176
Lead	ppm	<b>5</b>	○ <1	2	O 5
Tin	ppm	02	0	01	○ <1
Aluminum	ppm	<b>○</b> <1	○ <1	○ <1	○ <1
Chromium	ppm	<mark>()</mark> 15	0	0 11	0 12
Molybdenum	ppm	<b>○</b> <1	0 4	01	○ <1
Nickel	ppm	02	○ <1	02	01
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	<1	<1
Manganese	ppm	0 12	○ <1	8	0 10
Vanadium	ppm	<1	0	<1	<1

**ADDITIVES** 

Calcium	ppm	0 13	○ 75	0 14	8
Magnesium	ppm	<b>4</b>	69	○ <1	02
Zinc	ppm	<b>26</b>	115	21	22
Phosphorus	ppm	0 1254	0 1249	0 1118	0 1166
Barium	ppm	0	○ <1	0	0
Boron	ppm	0 175	231	214	128





## J.D. Irving

Truro Sawmill, 529 Valley Dale Road Truro, NS CA B2N 5C5 Contact: Sheldon Richardson richardson.sheldon@jdirving.com T: (902)890-9419 F:

## Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.Chromium and iron ppm levels are abnormal. 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.

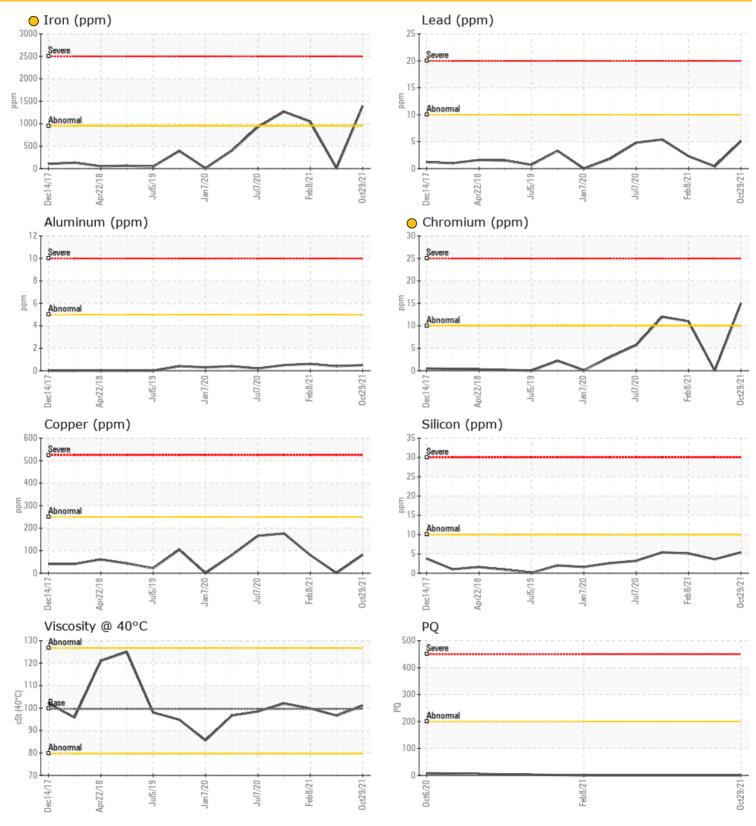
Depot:	JDITRU
Unique No:	5305019
Signed:	Kevin Marson
Report Date:	03 Nov 2021





GRAPHS

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Contact/Location: Sheldon Richardson - JDITRU