

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 097459-1216 - Splitter Box

Sample No: LH0183458

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	<b>LH0183458</b>	LH0180450	LH0180234	LH
Sample Date	<b>08 Feb 2021</b>	08 Dec 2020	06 Oct 2020	07 Jul 2020
Machine Hours	<b>8850</b>	16540	0	0
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>N/A</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**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:



#### OIL CONDITION

Visc @ 40°C	cSt	<b>87.6</b>	85.4	86.3	85.1
-------------	-----	-------------	------	------	------



#### CONTAMINATION

Silicon	ppm	<b>2</b>	3	4	2
Sodium	ppm	<b>&lt;1</b>	<1	<1	<1
Potassium	ppm	<b>&lt;1</b>	<1	<1	1



#### WEAR METALS

Iron	ppm	<b>7</b>	10	13	8
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	<1	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	0
Molybdenum	ppm	<b>3</b>	2	<1	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>&lt;1</b>	<1	<1	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	0
Vanadium	ppm	<b>0</b>	0	0	0



#### ADDITIVES

Calcium	ppm	<b>50</b>	46	18	16
Magnesium	ppm	<b>51</b>	40	8	2
Zinc	ppm	<b>102</b>	102	67	44
Phosphorus	ppm	<b>1205</b>	1145	1148	1186
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>293</b>	282	291	290

#### 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: JDITRU  
Unique No: 5174444  
Signed: Wes Davis  
Report Date: 10 Feb 2021



### GRAPHS

