

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(346464)] LIEBHERR LH30M 124535-1253 - Splitter Box

Sample No: LH0286583

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



**JOHN ROSS & SONS LTD.**  
 85 GLASSY AVENUE  
 TRURO, NS  
 CA B2N 6Z1  
 Contact: Service Manager



#### Sample Information

Sample Number	LH0286583	LH0269657	LH0269645	LH0234542
Sample Date	16 Mar 2024	19 Jan 2024	18 Oct 2023	12 Jun 2022
Machine Hours	6121	5749	5046	2437
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### Oil Condition

Visc @ 40°C	cSt	95.3	94.9	94.8	91.9
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#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	5	3	6
Sodium	ppm	1	<1	1	<1
Potassium	ppm	<1	1	0	2



#### Wear Metals

Iron	ppm	17	16	19	19
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	1	<1	1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	3	0	<1	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	27	34	58	77
Magnesium	ppm	13	11	21	2
Zinc	ppm	26	29	47	37
Phosphorus	ppm	1237	1230	1193	1275
Barium	ppm	0	0	<1	0
Boron	ppm	313	298	284	261

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: JOHTRU  
 Unique No: 5760224  
 Signed: Wes Davis  
 Report Date: 05 Apr 2024



### Graphs

