

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 086015-1203 - Swing Drive

Sample No: LH0278352

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	LH0278352	LH0234498	LH0194940	LH0132709
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	ABNORMAL	NORMAL

**Dartmouth Metals & Bottle Ltd.**  
 14 Dawn Drive  
 Dartmouth, NS  
 CA B3B 1H9  
 Contact: Service



#### OIL CONDITION

Visc @ 40°C	cSt	101	101	93.6	99.8
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T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	0.428	NEG
Silicon	ppm	3	4	6	1
Sodium	ppm	<1	<1	<1	0
Potassium	ppm	<1	<1	<1	<1

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	867	299	744	278
Copper	ppm	78	82	317	187
Lead	ppm	2	2	9	4
Tin	ppm	2	2	8	6
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	9	3	6	2
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	6	2	6	2
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	8	8	10	15
Magnesium	ppm	5	5	1	4
Zinc	ppm	19	18	38	31
Phosphorus	ppm	1205	1203	1249	1317
Barium	ppm	0	0	0	0
Boron	ppm	117	290	121	306

Depot: DAR14DAR  
 Unique No: 5709011  
 Signed: Wes Davis  
 Report Date: 10 Jan 2024

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### GRAPHS

