

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(354194)] LIEBHERR LH40C132159-1527 - Swing Drive

Sample No: LH0209419

Oil Type: 49 NORTH SS 75W90



#### SAMPLE INFORMATION

Sample Number	LH0209419	LH0209410	LH0209392	LH0209401
Sample Date	19 Jul 2023	27 Jan 2023	12 Jul 2022	14 Jan 2022
Machine Hours	1000	1000	1000	1000
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**National Salvage Ltd.**  
 206-33 Street N  
 Lethbridge, AB  
 CA T1H 3Z5  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	89.5	93.4	93.4	163
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T:  
F:



#### CONTAMINATION

Silicon	ppm	<1	1	<1	2
Sodium	ppm	<1	<1	<1	6
Potassium	ppm	<1	<1	<1	2

#### 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	7	25	39	345
Copper	ppm	16	30	44	51
Lead	ppm	<1	<1	2	2
Tin	ppm	0	<1	<1	2
Aluminum	ppm	0	0	0	<1
Chromium	ppm	0	0	0	2
Molybdenum	ppm	2	0	0	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	3
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	9	7	14	98
Magnesium	ppm	<1	<1	<1	6
Zinc	ppm	6	7	7	26
Phosphorus	ppm	1004	1141	1056	2272
Barium	ppm	0	<1	2	9
Boron	ppm	155	230	104	9

**Depot:** NATLET  
**Unique No:** 5616556  
**Signed:** Wes Davis  
**Report Date:** 21 Jul 2023



### GRAPHS

