

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 137429 - Splitter Box

Sample No: LH0284883

Oil Type: GEAR OIL SAE 75W90



#### SAMPLE INFORMATION

Sample Number	LH0284883	LH0281411	LH0274500	LH0247024
Sample Date	01 Feb 2024	07 Dec 2023	20 Aug 2023	11 Jun 2023
Machine Hours	8133	7579	6359	5689
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**CMI - COMBINED METAL INDUSTRIES**  
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#### OIL CONDITION

Visc @ 40°C	cSt	85.4	85.4	88.9	91.9
		●			



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● 1	● 2	● 2	● 1
Sodium	ppm	● <1	● <1	● <1	● <1
Potassium	ppm	● <1	● 0	● <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	● 9	● 8	● 14	● 9
Copper	ppm	● <1	● <1	● <1	● <1
Lead	ppm	● 0	● 0	● 2	● <1
Tin	ppm	● 0	● 0	● 0	● 0
Aluminum	ppm	● <1	● <1	● <1	● 0
Chromium	ppm	● 0	● 0	● <1	● 0
Molybdenum	ppm	● 0	● 0	● 0	● 0
Nickel	ppm	● 0	● <1	● <1	● 0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	<1	6
Manganese	ppm	● 0	● 0	● 0	● 0
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	● 31	31	30	18
Magnesium	ppm	● 2	● 1	● 2	● 1
Zinc	ppm	● 103	● 93	48	27
Phosphorus	ppm	● 1195	1136	1350	1388
Barium	ppm	● 0	● <1	● 0	● 0
Boron	ppm	● 277	284	308	289

Depot: COMWES  
 Unique No: 5733513  
 Signed: Wes Davis  
 Report Date: 16 Feb 2024



### GRAPHS

