

LIEBHERR

CONSTRUCTION EQUIPMENT



[[20230458]] LIEBHERR LH30M 145272-1253 - Swing Drive

Sample No: LH0250164

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0250164	LH0250167	---	---
Sample Date	08 Sep 2023	05 Jun 2023	---	---
Machine Hours	1004	500	---	---
Oil Hours	0	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

Industrial Metals

550 Messier St.
Winnipeg, MB
CA R2J 0G5
Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	● 190	● 174	---	---
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T:
F:



CONTAMINATION

Silicon	ppm	● 2	● 6	---	---
Sodium	ppm	● 2	● 4	---	---
Potassium	ppm	● 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	● 65	● 249	---	---
Copper	ppm	● 38	● 92	---	---
Lead	ppm	● 1	● 3	---	---
Tin	ppm	● 2	● 9	---	---
Aluminum	ppm	● <1	● 2	---	---
Chromium	ppm	● <1	● 2	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● 0	● <1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● <1	● 3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 8	● 22	---	---
Magnesium	ppm	● 3	● 1	---	---
Zinc	ppm	● 18	● 29	---	---
Phosphorus	ppm	● 2235	● 2447	---	---
Barium	ppm	● 1	● 9	---	---
Boron	ppm	● 4	● 8	---	---

Depot: IND550WIN
Unique No: 5645175
Signed: Wes Davis
Report Date: 20 Sep 2023



GRAPHS

