

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60C T12560-1528 - Swing Drive

Sample No: LH0225042

Oil Type: GEAR OIL SAE 75W90



SAMPLE INFORMATION

Sample Number	LH0225042	LH0221885	---	---
Sample Date	28 May 2023	04 Mar 2022	---	---
Machine Hours	12473	9151	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

EMSCO

1810 INDUSTRIAL DR
REGINA, SK
CA S4K 0A6
Contact: Service Manager
ctweddle@emsco.ca

T:
F:



OIL CONDITION

Visc @ 40°C	cSt	● 134	● 91.8	---	---
-------------	-----	-------	--------	-----	-----



CONTAMINATION

Silicon	ppm	● 2	● 4	---	---
Sodium	ppm	● <1	● 2	---	---
Potassium	ppm	● <1	● 2	---	---



WEAR METALS

PQ		---	● 0	---	---
Iron	ppm	● 430	● 1292	---	---
Copper	ppm	● 54	● 134	---	---
Lead	ppm	● 1	● 4	---	---
Tin	ppm	● 2	● 2	---	---
Aluminum	ppm	● <1	● <1	---	---
Chromium	ppm	● 4	● 10	---	---
Molybdenum	ppm	● <1	● <1	---	---
Nickel	ppm	● <1	● 3	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	<1	---	---
Manganese	ppm	● 3	● 7	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 13	● 22	---	---
Magnesium	ppm	● <1	● <1	---	---
Zinc	ppm	● 12	● 31	---	---
Phosphorus	ppm	● 1297	● 1665	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● 184	● 167	---	---

Diagnosis

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

Depot: EMSREG
Unique No: 5619963
Signed: Wes Davis
Report Date: 09 Aug 2023



GRAPHS

