

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 090077 - Swing Drive

Sample No: LH0276294

Oil Type: GEAR OIL SAE 75W90



ELG Canada
 4375 CORPORATE DRIVE
 BURLINGTON, ON
 CA L7L 5P7
 Contact: Service Manager

T:
 F: (905)335-9687



Sample Information

Sample Number	LH0276294	LH	---	---
Sample Date	16 Apr 2024	05 Jan 2022	---	---
Machine Hours	6756	5072	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



Oil Condition

Visc @ 40°C	cSt	● 101	● 107	---	---
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Contamination

Water	%	● 0.320	NEG	---	---
Silicon	ppm	● 2	● 9	---	---
Sodium	ppm	● 1	● <1	---	---
Potassium	ppm	● 0	● <1	---	---



Wear Metals

Iron	ppm	● 966	● 781	---	---
Copper	ppm	● 51	● 43	---	---
Lead	ppm	● <1	● 2	---	---
Tin	ppm	● 1	● 2	---	---
Aluminum	ppm	● <1	● <1	---	---
Chromium	ppm	● 10	● 9	---	---
Molybdenum	ppm	● 0	● <1	---	---
Nickel	ppm	● 2	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	● 8	● 7	---	---
Vanadium	ppm	0	<1	---	---



Additives

Calcium	ppm	● 13	● 15	---	---
Magnesium	ppm	● 2	● 2	---	---
Zinc	ppm	● 32	● 28	---	---
Phosphorus	ppm	● 1208	● 1286	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● 180	● 105	---	---

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: STR437BUR
Unique No: 5762921
Signed: Kevin Marson
Report Date: 19 Apr 2024



Graphs

