

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 090077 - Front Differential

Sample No: LH0276288

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	LH0276288	LH	---	---
Sample Date	16 Apr 2024	05 Jan 2022	---	---
Machine Hours	6756	5072	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



Oil Condition

Visc @ 40°C	cSt	● 104	● 103	---	---
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Contamination

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



Wear Metals

Iron	ppm	● <1	● 3	---	---
Copper	ppm	● <1	● <1	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 0	● <1	---	---
Chromium	ppm	● 0	● 0	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● 0	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	● 0	● <1	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	● 9	● 10	---	---
Magnesium	ppm	● 1	● 1	---	---
Zinc	ppm	● 9	● 8	---	---
Phosphorus	ppm	● 1263	● 1336	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● 330	● 322	---	---

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.

Depot: STR437BUR
Unique No: 5762918
Signed: Wes Davis
Report Date: 18 Apr 2024



Graphs

