

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 069061-1826 - Front Differential

Sample No: LH0257328

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0257328	LH0257284	---	---
Sample Date	25 Jan 2024	12 May 2023	---	---
Machine Hours	4000	1010	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

PRODUITS FORESTIERS D.G. LTEE
 313 RANG ST-JOSEPH
 STE-AURELIE, QC
 CA G0M 1M0
 Contact: Roger .



OIL CONDITION

Visc @ 40°C	cSt	● 193	● 192	---	---
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T: (418)593-3547
 F: (418)593-3633



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	● 10	● 28	---	---
Sodium	ppm	● <1	● 6	---	---
Potassium	ppm	● <1	● <1	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.



WEAR METALS

Iron	ppm	● 76	● 262	---	---
Copper	ppm	● 67	● 259	---	---
Lead	ppm	● 2	● 6	---	---
Tin	ppm	● 2	● 15	---	---
Aluminum	ppm	● <1	● 2	---	---
Chromium	ppm	● <1	● 2	---	---
Molybdenum	ppm	● 0	0	---	---
Nickel	ppm	● 1	● 13	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 6	51	---	---
Vanadium	ppm	0	0	---	---

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.



ADDITIVES

Calcium	ppm	● 2	8	---	---
Magnesium	ppm	● <1	3	---	---
Zinc	ppm	● 21	54	---	---
Phosphorus	ppm	● 2338	2426	---	---
Barium	ppm	● 0	0	---	---
Boron	ppm	● <1	4	---	---

Depot: PRO9STE
 Unique No: 5720750
 Signed: Wes Davis
 Report Date: 26 Jan 2024



GRAPHS

