

LIEBHERR

CONSTRUCTION EQUIPMENT



145586-1218 - Front Differential

Sample No: LH0269259

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0269259	---	---	---
Sample Date	30 Jan 2024	---	---	---
Machine Hours	1000	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

American Iron and Metal

10305 Metropolitaine Est, Garage porte 13
 Montreal, QC
 CA H1B 1A1
 Contact: Sebastien Liautaud
 sliautaud@aimrecyclinggroup.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	● 147	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 5	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● <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.

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	● 4	---	---	---
Copper	ppm	● 5	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 8	---	---	---
Magnesium	ppm	● 1	---	---	---
Zinc	ppm	● 8	---	---	---
Phosphorus	ppm	● 1591	---	---	---
Barium	ppm	● 94	---	---	---
Boron	ppm	● 102	---	---	---

Depot: LACMON
 Unique No: 5721671
 Signed: Wes Davis
 Report Date: 31 Jan 2024



GRAPHS

