

LIEBHERR

CONSTRUCTION EQUIPMENT



152076 - Front Left Wheel Hub

Sample No: LH0278777

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0278777	---	---	---
Sample Date	15 Feb 2024	---	---	---
Machine Hours	2083	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR CANADA LTD.

1015 SUTTON DRIVE
BURLINGTON, ON
CA L7L 5Z8

Contact: Steve Lehto
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OIL CONDITION

Visc @ 40°C	cSt	● 159	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 12	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● 1	---	---	---



WEAR METALS

Iron	ppm	● 67	---	---	---
Copper	ppm	● 2	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	● 3	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 122	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 46	---	---	---
Phosphorus	ppm	● 1493	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 4	---	---	---

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.

Please specify the component make and model with your next sample. 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: LIEMIS
Unique No: 5733521
Signed: Wes Davis
Report Date: 16 Feb 2024



GRAPHS

