

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 145461-1216 - Front Left Wheel Hub

Sample No: LH0255621

Oil Type: 49 NORTH 75W90



GENERAL RECYCLING INDUSTRIES LTD.
 4120 - 84 AVENUE
 EDMONTON, AB
 CA T6B 3H3
 Contact: Corey MacKay
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SAMPLE INFORMATION

Sample Number	LH0255621	LH0255609	---	---
Sample Date	25 Nov 2023	26 Jun 2023	---	---
Machine Hours	2400	1086	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	85.8	● 105	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	● 2	● 7	---	---
Sodium	ppm	● 3	● 7	---	---
Potassium	ppm	● <1	● 2	---	---



WEAR METALS

Iron	ppm	● 17	● 27	---	---
Copper	ppm	● 8	● 22	---	---
Lead	ppm	● <1	● <1	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● <1	● 1	---	---
Chromium	ppm	● 0	● 0	---	---
Molybdenum	ppm	0	● <1	---	---
Nickel	ppm	● 0	● 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	● 2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	31	● 29	---	---
Magnesium	ppm	2	● 3	---	---
Zinc	ppm	41	● 40	---	---
Phosphorus	ppm	905	● 1427	---	---
Barium	ppm	<1	● <1	---	---
Boron	ppm	106	● 180	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was specified as 49 NORTH 75W90, however, a fluid match indicates that this fluid is SAE 80 Gear Oil. Please confirm the oil type and grade on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: GEN156EDM
Unique No: 5684970
Signed: Kevin Marson
Report Date: 30 Nov 2023



GRAPHS

