

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 145461-1216 - Rear Left Wheel Hub

Sample No: LH0255623
 Oil Type: 49 NORTH 75W90



GENERAL RECYCLING INDUSTRIES LTD.
 4120 - 84 AVENUE
 EDMONTON, AB
 CA T6B 3H3
 Contact: Corey MacKay
 cmackay@trailco.ca
 T: (587)926-1610
 F: (780)485-4294



SAMPLE INFORMATION

Sample Number	LH0255623	LH0255611	---	---
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	● 102	---	---
-------------	-----	------	-------	-----	-----



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	● 4	● 6	---	---
Sodium	ppm	● 1	● 2	---	---
Potassium	ppm	● <1	● 1	---	---



WEAR METALS

Iron	ppm	● 12	● 10	---	---
Copper	ppm	● 60	● 46	---	---
Lead	ppm	● 2	● 1	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● <1	● <1	---	---
Chromium	ppm	● 0	● 0	---	---
Molybdenum	ppm	0	● 1	---	---
Nickel	ppm	● <1	● 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	● <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	48	● 58	---	---
Magnesium	ppm	2	● 1	---	---
Zinc	ppm	67	● 42	---	---
Phosphorus	ppm	922	● 1358	---	---
Barium	ppm	<1	● <1	---	---
Boron	ppm	131	● 258	---	---

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: 5684980
 Signed: Kevin Marson
 Report Date: 30 Nov 2023



GRAPHS

