

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 145461-1216 - Rear Left Wheel Hub

Sample No: LH0255635

Oil Type: GEAR OIL SAE 75W90



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



Sample Information

Sample Number	LH0255635	LH0255623	LH0255611	---
Sample Date	21 Feb 2024	25 Nov 2023	26 Jun 2023	---
Machine Hours	3170	2400	1086	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---



Oil Condition

Visc @ 40°C	cSt	83.5	85.8	102	---
-------------	-----	------	------	-----	-----



Contamination

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



Wear Metals

Iron	ppm	7	12	10	---
Copper	ppm	40	60	46	---
Lead	ppm	<1	2	1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	0	0	1	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	51	48	58	---
Magnesium	ppm	2	2	1	---
Zinc	ppm	67	67	42	---
Phosphorus	ppm	886	922	1358	---
Barium	ppm	<1	<1	<1	---
Boron	ppm	127	131	258	---

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 75W90. 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.

Depot: GEN156EDM
 Unique No: 5776504
 Signed: Wes Davis
 Report Date: 14 May 2024



Graphs

