

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 145461-1216 - Rear Differential

Sample No: LH0255627

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	LH0255627	LH0255615	LH0255603	---
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	83.6	86.3	101	---
-------------	-----	------	------	-----	-----



Contamination

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



Wear Metals

Iron	ppm	10	12	13	---
Copper	ppm	42	62	51	---
Lead	ppm	<1	3	1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	0	0	<1	---
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	64	47	59	---
Magnesium	ppm	3	2	1	---
Zinc	ppm	70	67	46	---
Phosphorus	ppm	888	925	1363	---
Barium	ppm	0	<1	<1	---
Boron	ppm	124	130	259	---

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: 5776536
 Signed: Wes Davis
 Report Date: 14 May 2024



Graphs

