

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 112545-1253 - Rear Differential

Sample No: LH0291262

Oil Type: GEAR OIL SAE 75W90



Sample Information

Sample Number	LH0291262	LH0270124	LH0247421	LH0239582
Sample Date	06 May 2024	27 Sep 2023	13 Dec 2022	14 Aug 2022
Machine Hours	15168	1297	10473	9604
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

GREEN METALS CANADA

224 BEARDS LANE
WOODSTOCK, ON
CA N4S 7W3

Contact: Jamie Depotie
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Oil Condition

Visc @ 40°C	cSt	105	104	101	105



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	0	1	1	1
Sodium	ppm	<1	1	<1	<1
Potassium	ppm	0	0	<1	0



Wear Metals

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



Additives

Calcium	ppm	13	13	25	22
Magnesium	ppm	1	1	2	2
Zinc	ppm	9	7	8	10
Phosphorus	ppm	1202	1229	1308	1216
Barium	ppm	0	<1	0	0
Boron	ppm	313	301	317	308

Diagnosis

Resample at the next service interval to monitor. 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: GRE224WOO
Unique No: 5775107
Signed: Wes Davis
Report Date: 07 May 2024



Graphs

