

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 112545-1253 - Front Differential

Sample No: LH0289579

Oil Type: GEAR OIL SAE 75W90



Sample Information

Sample Number	LH0289579	LH0270119	LH0247422	LH0239583
Sample Date	06 May 2024	27 Sep 2023	13 Dec 2022	19 Aug 2022
Machine Hours	15168	1297	10423	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	106	104	101	106
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	0	1	1	2
Sodium	ppm	<1	1	<1	<1
Potassium	ppm	0	0	<1	<1



Wear Metals

Iron	ppm	<1	<1	2	2
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	<1	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	0
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	12	11	15	16
Magnesium	ppm	1	3	2	2
Zinc	ppm	9	10	6	11
Phosphorus	ppm	1179	1193	1301	1227
Barium	ppm	0	<1	0	0
Boron	ppm	308	300	318	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: 5775106
Signed: Wes Davis
Report Date: 07 May 2024



Graphs

