

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 112545-1253 - Front Right Wheel Hub

Sample No: LH0270123

Oil Type: GEAR OIL SAE 75W90



GREEN METALS CANADA

224 BEARDS LANE
WOODSTOCK, ON
CA N4S 7W3

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SAMPLE INFORMATION

Sample Number	LH0270123	LH0270122	LH0247489	LH0239539
Sample Date	27 Sep 2023	27 Sep 2023	13 Dec 2022	14 Aug 2022
Machine Hours	1297	1297	10473	9604
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	103	103	101	104



CONTAMINATION

Element	Unit	<1	<1	1	1
Silicon	ppm	<1	<1	1	1
Sodium	ppm	2	2	<1	2
Potassium	ppm	0	0	0	<1



WEAR METALS

Element	Unit	7	7	2	8
Iron	ppm	7	7	2	8
Copper	ppm	2	1	<1	2
Lead	ppm	<1	<1	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	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Element	Unit	15	21	20	35
Calcium	ppm	15	21	20	35
Magnesium	ppm	1	1	2	2
Zinc	ppm	8	10	7	10
Phosphorus	ppm	1216	1240	1309	1189
Barium	ppm	<1	<1	0	0
Boron	ppm	297	304	319	309

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: 5654998

Signed: Wes Davis

Report Date: 28 Sep 2023



GRAPHS

