

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 139284-1253 - Rear Left Wheel Hub

Sample No: LH0241890

Oil Type: LIEBHERR GEAR BASIC 90 LS



HUBERT & FILS

474 ROUTE 105
BOIS-FRANC, QC
CA J9E 3A9

Contact: Eric Brisebois
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SAMPLE INFORMATION

Sample Number	LH0241890	LH0241878	LH0239959	LH0208259
Sample Date	05 Jan 2024	31 Oct 2023	04 Sep 2023	06 Jul 2023
Machine Hours	3235	2739	2265	1668
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	191	180	179	175



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	<1	<1	2
Sodium	ppm	1	2	2	2
Potassium	ppm	1	<1	0	<1



WEAR METALS

Iron	ppm	8	6	6	7
Copper	ppm	<1	<1	1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
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	<1	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	19	22	29	97
Magnesium	ppm	<1	<1	<1	1
Zinc	ppm	5	5	8	32
Phosphorus	ppm	2265	2317	2247	2282
Barium	ppm	0	0	<1	<1
Boron	ppm	<1	2	5	17

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: HUBBOI
Unique No: 5710189
Signed: Kevin Marson
Report Date: 16 Jan 2024



GRAPHS

