

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 139284-1253 - Rear Differential

Sample No: LH0241894

Oil Type: LIEBHERR GEAR BASIC 90 LS



HUBERT & FILS

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

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SAMPLE INFORMATION

Sample Number	LH0241894	LH0241870	LH0239951	LH0241858
Sample Date	01 Mar 2024	31 Oct 2023	04 Sep 2023	07 Jun 2023
Machine Hours	3900	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	169	179	179	175



CONTAMINATION

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



WEAR METALS

Iron	ppm	9	6	6	7
Copper	ppm	<1	<1	1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	0	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<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	17	22	30	97
Magnesium	ppm	<1	<1	<1	1
Zinc	ppm	6	4	9	31
Phosphorus	ppm	2056	2272	2295	2255
Barium	ppm	0	0	<1	0
Boron	ppm	2	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: 5750510
Signed: Wes Davis
Report Date: 28 Mar 2024



GRAPHS

