

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 139284-1253 - Front Differential

Sample No: LH0241869

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	LH0241869	LH0239950	LH0241857	LH0241857
Sample Date	31 Oct 2023	04 Sep 2023	07 Jun 2023	18 Apr 2023
Machine Hours	2739	2265	1668	1142
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	180	179	188	92.7
		●	●	●	●



CONTAMINATION

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



WEAR METALS

Iron	ppm	● 4	● 5	● 6	● 3
Copper	ppm	● <1	● <1	● <1	● <1
Lead	ppm	● 0	● <1	● 0	● 0
Tin	ppm	● 0	● 0	● 0	● 0
Aluminum	ppm	● <1	● 0	● <1	● 0
Chromium	ppm	● 0	● 0	● 0	● 0
Molybdenum	ppm	● 0	● 0	● 0	● 0
Nickel	ppm	● <1	● <1	● <1	● 0
Titanium	ppm	● 0	● 0	● 0	● 0
Silver	ppm	● 0	● <1	● 0	● 0
Manganese	ppm	● 0	● 0	● <1	● <1
Vanadium	ppm	● 0	● 0	● 0	● 0



ADDITIVES

Calcium	ppm	● 5	● 8	● 20	● 65
Magnesium	ppm	● <1	● 0	● 1	● 0
Zinc	ppm	● 4	● 6	● 10	● 77
Phosphorus	ppm	● 2267	● 2290	● 2391	● 1074
Barium	ppm	● 0	● <1	● 0	● 0
Boron	ppm	● <1	● 2	● 7	● 140

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: 5710198
Signed: Kevin Marson
Report Date: 16 Jan 2024



GRAPHS

