

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 146757 - Rear Differential

Sample No: LH0144137

Oil Type: LIEBHERR GEAR BASIC 90 LS



Palmer
3191 Albion Road
Ottawa, ON
CA K1V 8Y3
Contact: Service



SAMPLE INFORMATION

Sample Number	LH0144137	---	---	---
Sample Date	16 Aug 2023	---	---	---
Machine Hours	507	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	73.0	---	---	---
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T:
F:



CONTAMINATION

Silicon	ppm	5	---	---	---
Sodium	ppm	11	---	---	---
Potassium	ppm	<1	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as LIEBHERR GEAR BASIC 90 LS, however, a fluid match indicates that this fluid is SAE 30 Transmission/Drive Train Oil. Please confirm the oil type and grade on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	6	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	1	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	2549	---	---	---
Magnesium	ppm	8	---	---	---
Zinc	ppm	1030	---	---	---
Phosphorus	ppm	1079	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	75	---	---	---

Depot: PALOTT
Unique No: 5629574
Signed: Kevin Marson
Report Date: 18 Aug 2023



GRAPHS

