

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-119204 - Front Differential

Sample No: LHMC140503

Oil Type: LIEBHERR GEAR BASIC 90 LS



ALTER TRADING
 2424 CLARKE STREET
 PEORIA, IL
 US 61602
 Contact: Service Manager

T:
 F:



Sample Information

Sample Number	LHMC140503	---	---	---
Sample Date	02 Feb 2021	---	---	---
Machine Hours	1119	---	---	---
Oil Hours	1119	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 168	---	---	---
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Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 14	---	---	---
Sodium	ppm	● 5	---	---	---
Potassium	ppm	● 0	---	---	---



Wear Metals

Iron	ppm	● 103	---	---	---
Copper	ppm	● 36	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 3	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	● 158	---	---	---
Magnesium	ppm	● 4	---	---	---
Zinc	ppm	● 48	---	---	---
Phosphorus	ppm	● 2042	---	---	---
Barium	ppm	● 2	---	---	---
Boron	ppm	● 8	---	---	---

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: ALTPEO
 Unique No: 9364675
 Signed: Wes Davis
 Report Date: 11 Feb 2021



Graphs

