

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-119204 - Rear Differential

Sample No: LHMC141182

Oil Type: LIEBHERR GEAR BASIC 90 LS



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



Sample Information

Sample Number	LHMC141182	---	---	---
Sample Date	02 Feb 2021	---	---	---
Machine Hours	1119	---	---	---
Oil Hours	1119	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 185	---	---	---
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T:
F:



Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 5	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.



Wear Metals

Iron	ppm	● 28	---	---	---
Copper	ppm	● 14	---	---	---
Lead	ppm	● 1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 1	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	● 5	---	---	---
Magnesium	ppm	● <1	---	---	---
Zinc	ppm	● 12	---	---	---
Phosphorus	ppm	● 1062	---	---	---
Barium	ppm	● 353	---	---	---
Boron	ppm	● 1	---	---	---

Depot: ALTPEO
Unique No: 9364670
Signed: Angela Borella
Report Date: 11 Feb 2021



Graphs

