

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 1217-94975 - Front Differential

Sample No: LHMC166784

Oil Type: GEAR OIL SAE 80W90



AMERICAN STATE EQUIPMENT CO. (RENTAL TO ARCELOR MITTAL)
138 HWY 3217
LAPLACE, LA
US 70068
Contact: SERVICE MANAGER

T: (414)541-8700
F:



Sample Information

Sample Number	LHMC166784	LHMC119731	LHMC116783	---
Sample Date	10 Apr 2024	13 Jun 2019	02 May 2019	---
Machine Hours	8268	5269	4802	---
Oil Hours	0	0	0	---
Oil Changed	Changed	N/A	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---



Oil Condition

Visc @ 40°C	cSt	105	168	185	---
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Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	3	3	2	---
Sodium	ppm	<1	1	0	---
Potassium	ppm	9	13	0	---



Wear Metals

Iron	ppm	25	14	28	---
Copper	ppm	9	4	30	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	1	<1	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	8	3	0	---
Nickel	ppm	0	1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	588	54	0	---
Magnesium	ppm	87	10	0	---
Zinc	ppm	303	67	12	---
Phosphorus	ppm	1312	329	1013	---
Barium	ppm	0	9	308	---
Boron	ppm	160	3	2	---

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: AMELAP
Unique No: 10981424
Signed: Sean Felton
Report Date: 19 Apr 2024



Graphs

