

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 1204-75634 - Gearbox

Sample No: LH0243405

Oil Type: GEAR OIL SAE 90



AMERICAN STATE EQUIPMENT CO.
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 WAUSAU, WI
 US 54401
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SAMPLE INFORMATION

Sample Number	LH0243405	LHMC142133	---	---
Sample Date	10 Aug 2023	18 Dec 2018	---	---
Machine Hours	15947	4536	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	176	117.0	---	---
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CONTAMINATION

Silicon	ppm	<1	4	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	0	0	---	---



WEAR METALS

Iron	ppm	4	22	---	---
Copper	ppm	2	2	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	0	2	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	0	1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	18	89	---	---
Magnesium	ppm	4	0	---	---
Zinc	ppm	<1	123	---	---
Phosphorus	ppm	2255	1553	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	11	---	---

Diagnosis

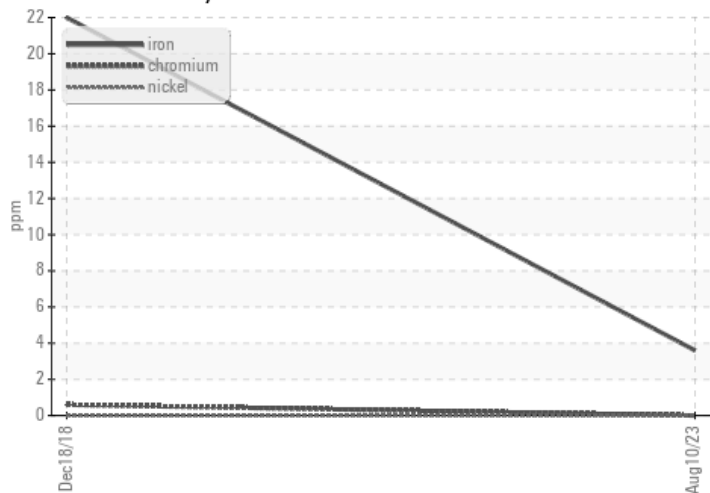
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10608945
 Signed: Wes Davis
 Report Date: 21 Aug 2023

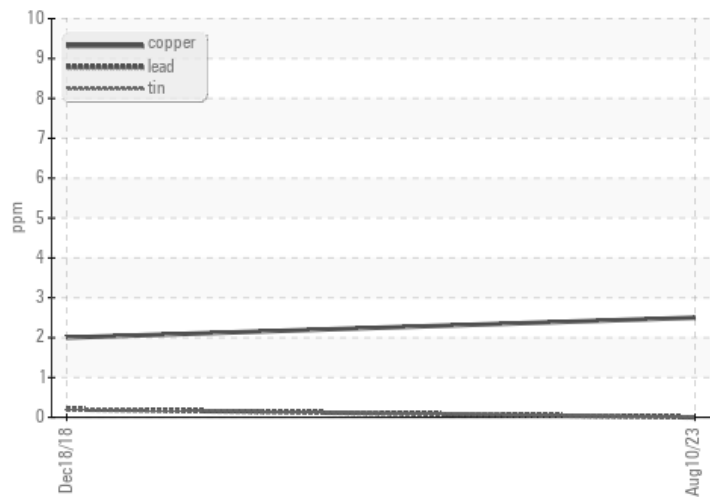


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

