

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 055637-1332 - Front Left Wheel Hub

Sample No: LH0264455

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0264455	LH0220844	LH0207968	---
Sample Date	12 Mar 2024	27 Sep 2022	27 Feb 2022	---
Machine Hours	6581	3494	2433	---
Oil Hours	0	0	0	---
Oil Changed	Changed	N/A	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

INTERSTATE POWER SYSTEMS

407 ADVENTURLAND DR NE
ALTOONA, IA

US 50009

Contact: DALTON JOHNSON

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F:



Oil Condition

Visc @ 40°C	cSt	190	177	193	---
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Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	4	2	3	---
Sodium	ppm	<1	<1	3	---
Potassium	ppm	2	<1	0	---



Wear Metals

Iron	ppm	92	60	64	---
Copper	ppm	15	12	17	---
Lead	ppm	0	0	0	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	1	0	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	22	11	20	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	3	3	5	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	8	11	5	---
Magnesium	ppm	2	<1	0	---
Zinc	ppm	13	10	13	---
Phosphorus	ppm	2544	2279	2434	---
Barium	ppm	0	0	0	---
Boron	ppm	0	2	3	---

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: INTALT

Unique No: 10981449

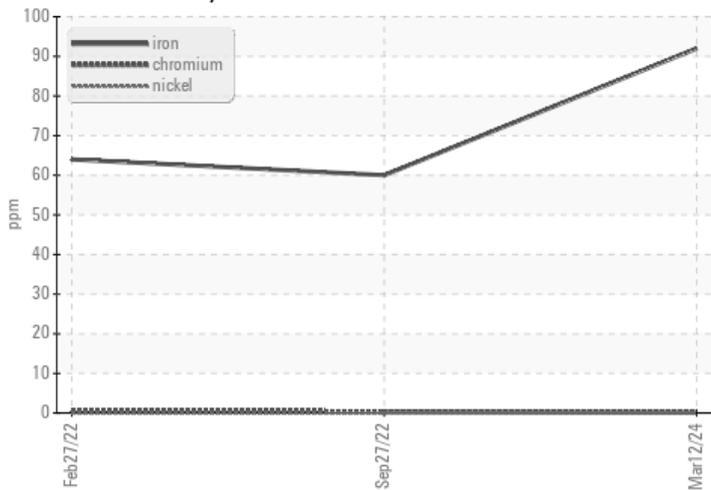
Signed: Wes Davis

Report Date: 18 Apr 2024

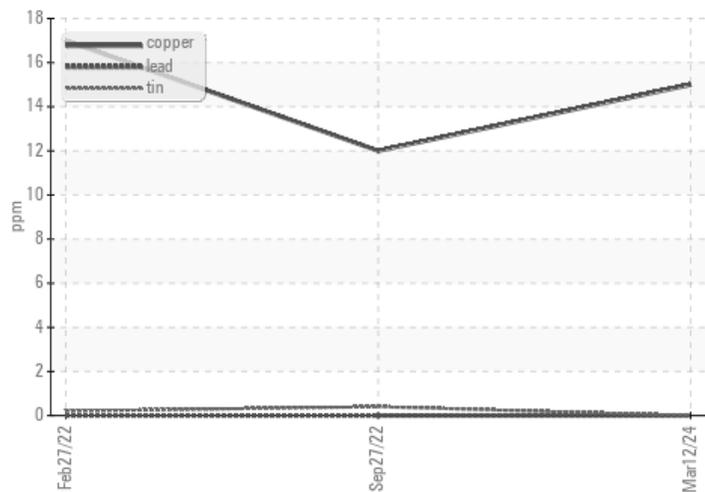


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

