

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 055501-1332 - Front Left Wheel Hub

Sample No: LH0254714

Oil Type: GEAR OIL LS 80W90



SAMPLE INFORMATION

Sample Number	LH0254714	LH0254857	LH0220837	---
Sample Date	24 Sep 2023	22 Feb 2023	12 Aug 2022	---
Machine Hours	6554	5381	0	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

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	193	181	172	---
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CONTAMINATION

Silicon	ppm	3	7	7	---
Sodium	ppm	0	3	3	---
Potassium	ppm	<1	<1	0	---



WEAR METALS

Iron	ppm	63	161	155	---
Copper	ppm	17	25	38	---
Lead	ppm	0	0	<1	---
Tin	ppm	<1	<1	2	---
Aluminum	ppm	<1	<1	1	---
Chromium	ppm	<1	1	1	---
Molybdenum	ppm	4	28	38	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	8	10	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	12	24	36	---
Magnesium	ppm	1	7	1	---
Zinc	ppm	17	42	33	---
Phosphorus	ppm	2639	2185	2035	---
Barium	ppm	2	0	0	---
Boron	ppm	<1	<1	5	---

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: 10662047

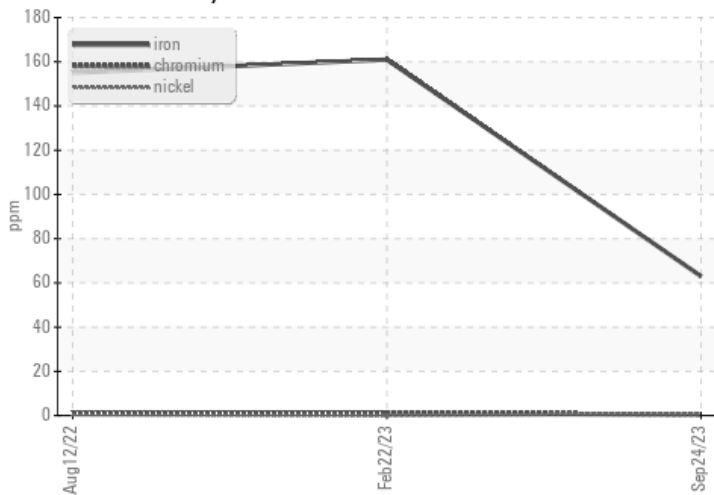
Signed: Sean Felton

Report Date: 27 Sep 2023

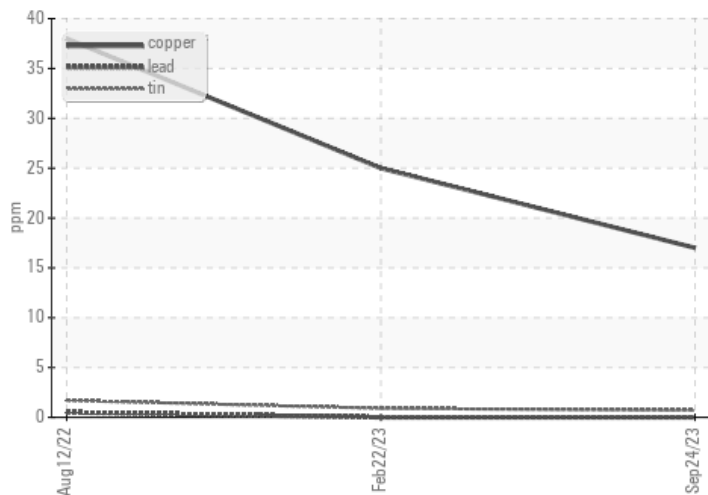


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

