

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 055501-1332 - Front Left Wheel Hub

Sample No: LH0254835

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0254835	LH0254714	LH0254857	LH0220837
Sample Date	07 Feb 2024	24 Sep 2023	22 Feb 2023	12 Aug 2022
Machine Hours	7216	6554	5381	0
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

INTERSTATE POWER SYSTEMS

407 ADVENTURLAND DR NE
ALTOONA, IA

US 50009

Contact: DALTON JOHNSON

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T: (515)957-3300

F:



OIL CONDITION

Visc @ 40°C	cSt	188	193	181	172



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	7	7
Sodium	ppm	2	0	3	3
Potassium	ppm	<1	<1	<1	0



WEAR METALS

Iron	ppm	68	63	161	155
Copper	ppm	10	17	25	38
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	<1	2
Aluminum	ppm	2	<1	<1	1
Chromium	ppm	<1	<1	1	1
Molybdenum	ppm	15	4	28	38
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	2	8	10
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	0	12	24	36
Magnesium	ppm	1	1	7	1
Zinc	ppm	6	17	42	33
Phosphorus	ppm	2488	2639	2185	2035
Barium	ppm	0	2	0	0
Boron	ppm	0	<1	<1	5

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

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: 10911792

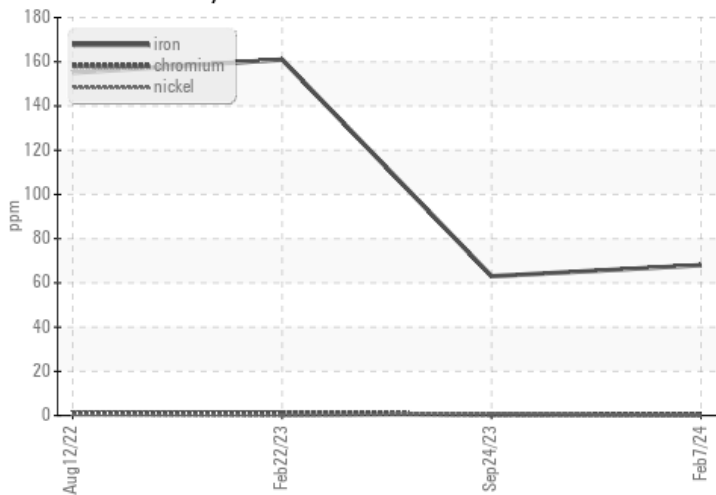
Signed: Wes Davis

Report Date: 05 Mar 2024

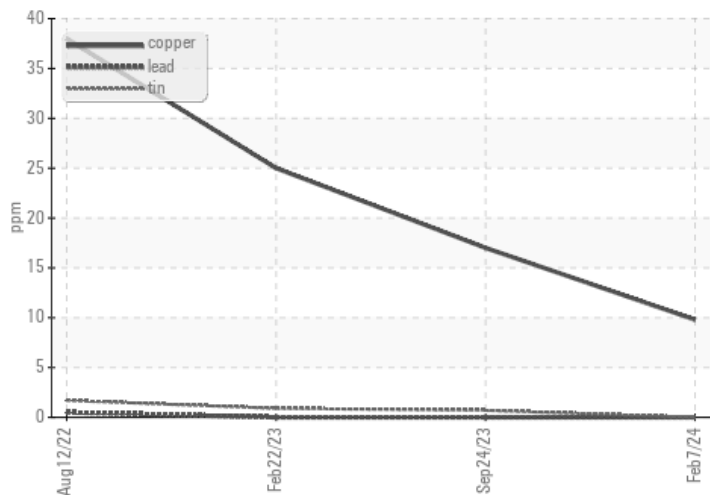


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

