

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 055501-1332 - Rear Right Wheel Hub

Sample No: LH0254834

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0254834	LH0254717	LH0254852	LH0220838
Sample Date	06 Feb 2024	24 Sep 2023	22 Feb 2023	17 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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F:



OIL CONDITION

Visc @ 40°C	cSt	198	195	180	176
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CONTAMINATION

Water	%	NEG	NEG	NEG	0.030
Silicon	ppm	2	5	6	9
Sodium	ppm	1	0	4	4
Potassium	ppm	0	<1	0	0

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.



WEAR METALS

Iron	ppm	49	44	128	177
Copper	ppm	10	22	40	86
Lead	ppm	0	<1	0	0
Tin	ppm	<1	<1	1	3
Aluminum	ppm	<1	<1	1	1
Chromium	ppm	0	<1	<1	1
Molybdenum	ppm	6	2	20	34
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	1
Manganese	ppm	2	2	8	12
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3	7	10	18
Magnesium	ppm	1	1	0	2
Zinc	ppm	3	13	17	36
Phosphorus	ppm	2311	2275	2265	2385
Barium	ppm	0	2	0	0
Boron	ppm	0	0	<1	<1

Depot: INTALT

Unique No: 10910307

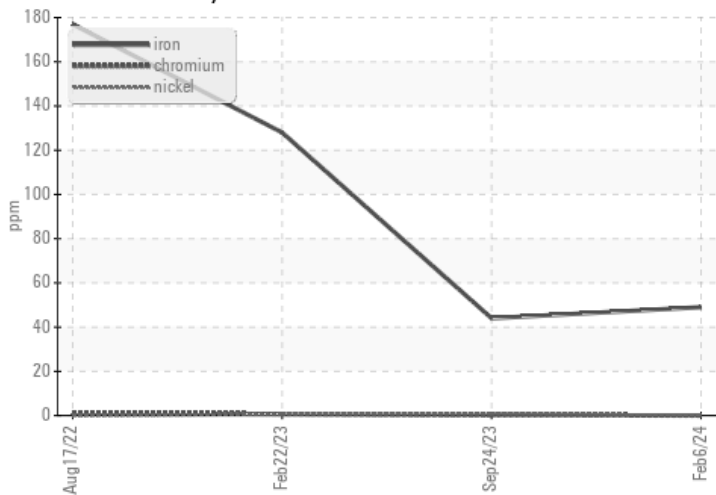
Signed: Sean Felton

Report Date: 05 Mar 2024

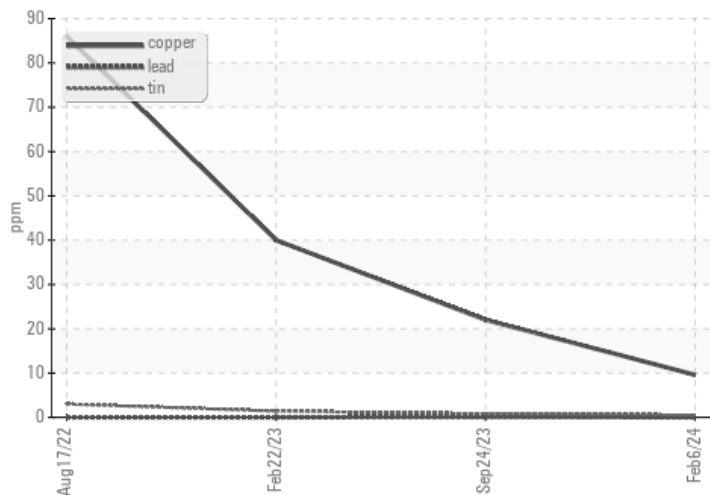


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

