

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 055501-1332 - Splitter Box

Sample No: LH0254830

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0254830	LH0254710	LH0207998	LH0220833
Sample Date	06 Feb 2024	24 Sep 2023	22 Feb 2023	12 Aug 2022
Machine Hours	7216	6554	5381	4360
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	ABNORMAL	ATTENTION	ATTENTION

INTERSTATE POWER SYSTEMS
 407 ADVENTURLAND DR NE
 ALTOONA, IA
 US 50009
 Contact: DALTON JOHNSON
 dalton.johnson@istate.com
 T: (515)957-3300
 F:



OIL CONDITION

Visc @ 40°C	cSt	162	123	115	94.3
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CONTAMINATION

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

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	4	17	11	20
Copper	ppm	1	1	2	3
Lead	ppm	0	<1	<1	1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	0	2	3
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

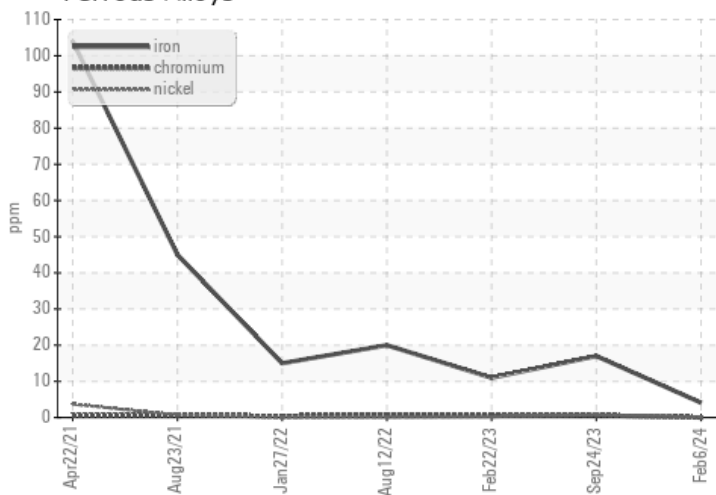
Calcium	ppm	99	119	129	175
Magnesium	ppm	6	15	17	22
Zinc	ppm	159	341	353	461
Phosphorus	ppm	2159	1765	1724	1554
Barium	ppm	<1	2	0	0
Boron	ppm	<1	5	3	5

Depot: INTALT
 Unique No: 10910308
 Signed: Wes Davis
 Report Date: 04 Mar 2024

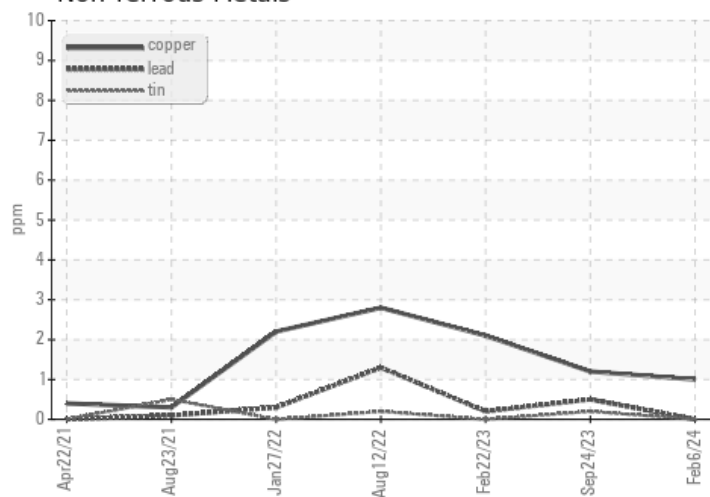


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

