

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 1332-62108 - Front Differential

Sample No: LH0264016

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0264016	LH0176280	LH0236717	LH0231323
Sample Date	16 Aug 2023	23 Mar 2023	11 Jan 2023	29 Sep 2022
Machine Hours	6834	5480	0	3484
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTER SCRAP

1640 BRUCE STREET
MILWAUKEE, WI
US 53227
Contact: JEFF KOENIGS



OIL CONDITION

Visc @ 40°C	cSt	124	113	132	124
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T: 541-8700
F: (414)541-1892



CONTAMINATION

Silicon	ppm	2	1	3	5
Sodium	ppm	0	2	1	<1
Potassium	ppm	<1	<1	0	2

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	105	63	154	413
Copper	ppm	12	9	22	63
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	2	3
Aluminum	ppm	0	<1	<1	2
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	2	9	1	9
Nickel	ppm	<1	<1	1	<1
Titanium	ppm	3	4	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	3	10
Vanadium	ppm	0	0	0	0



ADDITIVES

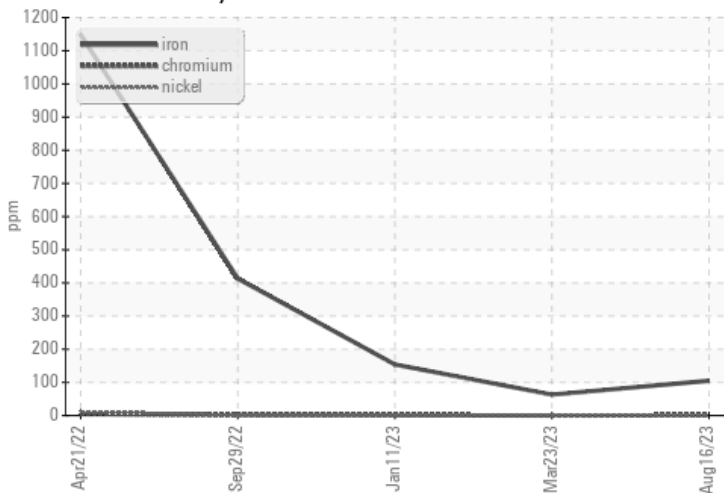
Calcium	ppm	90	178	39	132
Magnesium	ppm	55	91	6	52
Zinc	ppm	69	135	9	95
Phosphorus	ppm	899	802	770	1186
Barium	ppm	0	0	0	0
Boron	ppm	14	28	10	56

Depot: ALTMILWI
Unique No: 10631003
Signed: Sean Felton
Report Date: 05 Sep 2023

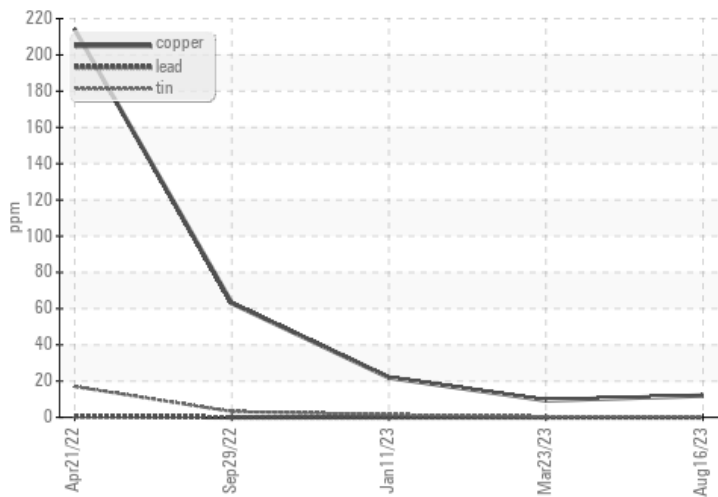


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

