

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 046708-1332 - Transmission (Manual)

Sample No: LH0268185

Oil Type: LIEBHERR GEAR MF 80W



SAMPLE INFORMATION

Sample Number	LH0268185	LH0245007	LH0207736	LH0185332
Sample Date	09 Feb 2024	09 Feb 2023	23 Nov 2021	11 Jun 2021
Machine Hours	10214	9080	7922	7167
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

AMERICAN STATE EQUIPMENT CO.
 2055 SOUTH 108TH STREET
 MILWAUKEE, WI
 US 53227
 Contact: RAY SCHMIDT
 RSCHMIDT@AMSTATE.COM
 T: (414)234-0854
 F: (414)541-1892



OIL CONDITION

Visc @ 40°C	cSt	82.4	45.4	48.9	45.7
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	5	4	7
Sodium	ppm	0	2	3	8
Potassium	ppm	2	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 fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	19	10	15	12
Copper	ppm	1	1	2	3
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	<1	<1
Aluminum	ppm	2	0	<1	<1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	4	1	<1	0
Nickel	ppm	0	0	0	0
Titanium	ppm	2	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

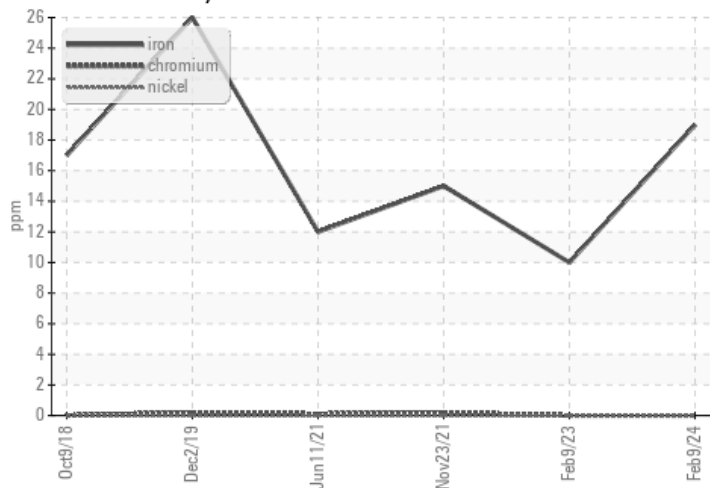
Calcium	ppm	801	2245	3430	3096
Magnesium	ppm	25	13	10	7
Zinc	ppm	409	1078	1361	1246
Phosphorus	ppm	955	865	1226	1039
Barium	ppm	12	0	0	0
Boron	ppm	25	63	48	234

Depot: LEC0007
 Unique No: 10876621
 Signed: Jonathan Hester
 Report Date: 16 Feb 2024

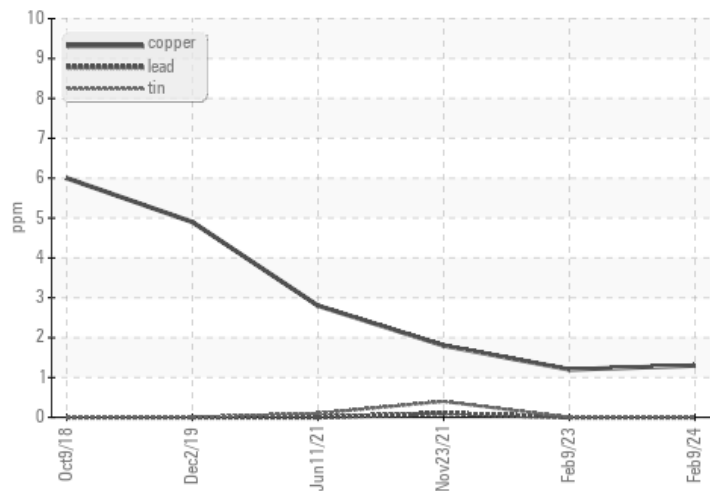


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

