

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 1216-108671 - Pump Drive

Sample No: LH0272541

Oil Type: GEAR OIL LS 80W90



SAMPLE INFORMATION

Sample Number	LH0272541	LH0243422	LH0263826	LH0254780
Sample Date	01 Nov 2023	05 Sep 2023	29 Jun 2023	12 Apr 2023
Machine Hours	18598	17864	17296	16979
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

AMERICAN STATE EQUIPMENT CO.
 2400 NORTH 14TH AVENUE
 WAUSAU, WI
 US 54401
 Contact: CHRIS BARTNIK
 cbartnik@amstate.com
 T: (715)675-6900
 F: (715)675-9748



OIL CONDITION

Visc @ 40°C	cSt	107	112	115	111
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CONTAMINATION

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



WEAR METALS

Iron	ppm	8	16	12	26
Copper	ppm	0	0	<1	<1
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	0	0
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	84	69	79	139
Magnesium	ppm	3	14	14	19
Zinc	ppm	83	33	41	118
Phosphorus	ppm	712	680	693	784
Barium	ppm	0	0	2	0
Boron	ppm	3	4	6	9

Diagnosis

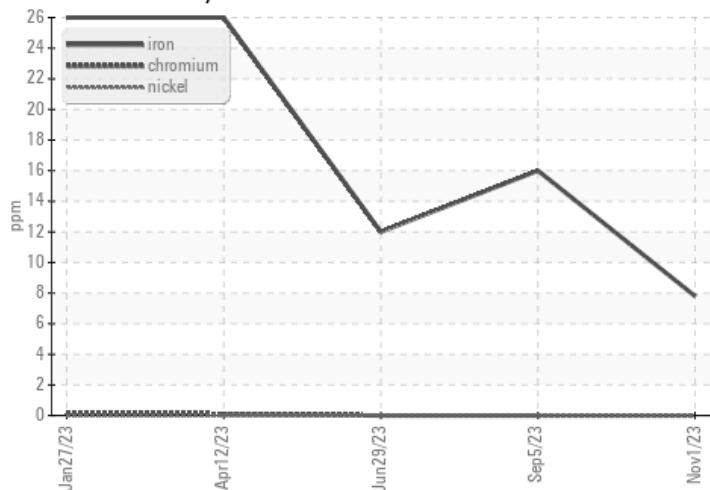
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10728454
 Signed: Sean Felton
 Report Date: 08 Nov 2023

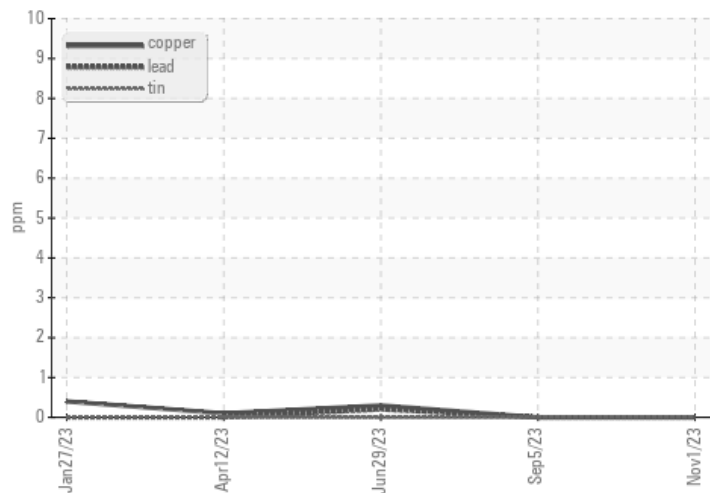


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

