

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 121854-1253 - Pump Drive

Sample No: LH0267090

Oil Type: GEAR OIL LS 80W90



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



Sample Information

Sample Number	LH0267090	LH0258818	LH0272743	LH0272578
Sample Date	17 May 2024	15 Mar 2024	02 Jan 2024	27 Oct 2023
Machine Hours	8113	7579	6976	6481
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	SEVERE	NORMAL



Oil Condition

Visc @ 40°C	cSt	108	112	127	117
-------------	-----	-----	-----	-----	-----



Contamination

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



Wear Metals

Iron	ppm	9	11	639	7
Copper	ppm	0	6	78	0
Lead	ppm	0	<1	<1	0
Tin	ppm	0	1	3	0
Aluminum	ppm	0	3	0	0
Chromium	ppm	<1	<1	4	0
Molybdenum	ppm	2	<1	0	0
Nickel	ppm	0	<1	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	4	0
Vanadium	ppm	0	<1	0	0



Additives

Calcium	ppm	57	71	26	58
Magnesium	ppm	1	5	3	2
Zinc	ppm	64	58	45	38
Phosphorus	ppm	890	909	754	822
Barium	ppm	0	1	<1	0
Boron	ppm	0	<1	7	0

Diagnosis

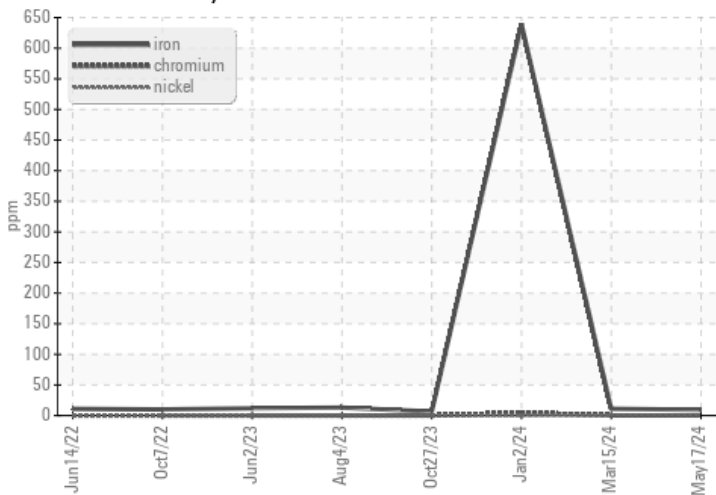
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 11048108
 Signed: Wes Davis
 Report Date: 28 May 2024

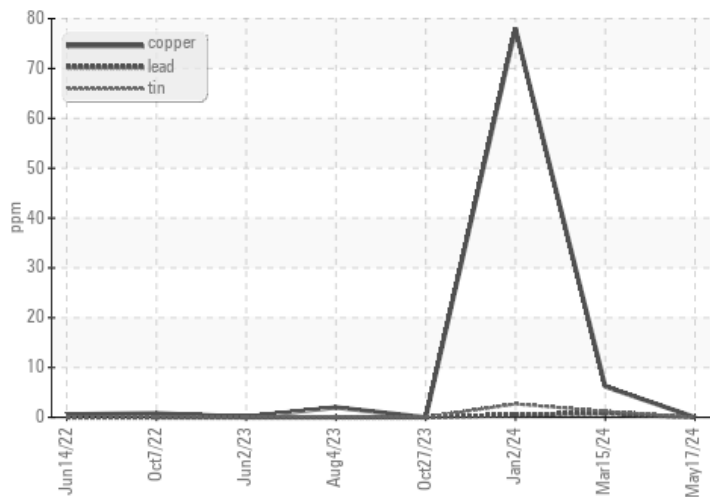


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

