

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 121854-1253 - Pump Drive

Sample No: LH0272578

Oil Type: GEAR OIL LS 80W90



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SAMPLE INFORMATION

Sample Number	LH0272578	LH0264399	LH0254776	LH0236095
Sample Date	27 Oct 2023	04 Aug 2023	02 Jun 2023	07 Oct 2022
Machine Hours	6481	6007	5547	3575
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	117	118	121	131
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CONTAMINATION

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



WEAR METALS

Iron	ppm	7	13	12	10
Copper	ppm	0	2	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	0	1
Chromium	ppm	0	0	0	0
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	2
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	58	72	87	72
Magnesium	ppm	2	9	7	8
Zinc	ppm	38	33	57	43
Phosphorus	ppm	822	786	817	699
Barium	ppm	0	0	0	0
Boron	ppm	0	2	5	4

Diagnosis

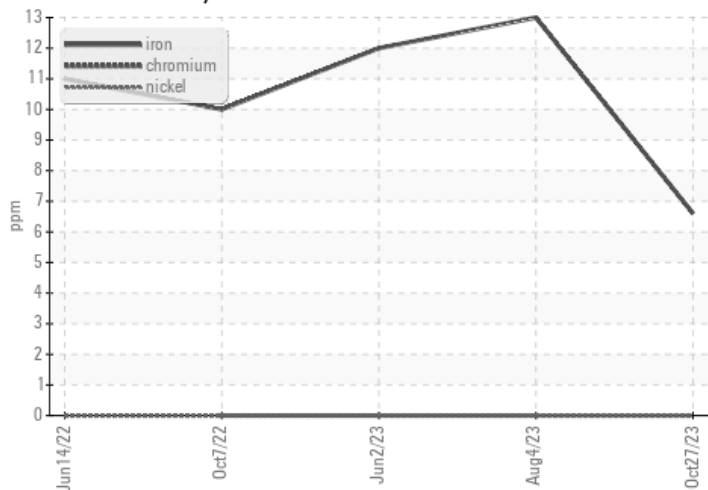
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
Unique No: 10726902
Signed: Sean Felton
Report Date: 06 Nov 2023

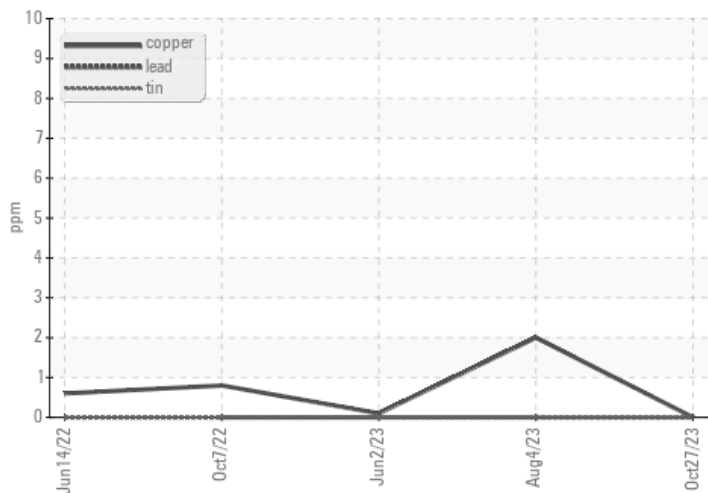


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

