

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH24 1251-107721 - Swing Drive

Sample No: LH0254097

Oil Type: LIEBHERR HYPOID 85W-140 EP



POTOMAC METALS INC
 410 16TH AVENUE
 RANSON, WV
 US 25438
 Contact: Service Manager

T:
 F:

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.



SAMPLE INFORMATION

Sample Number	LH0254097	LH0243985	LH0229669	LH0147680
Sample Date	27 Apr 2023	03 Jan 2023	13 Sep 2022	22 Mar 2022
Machine Hours	8247	7421	6696	5504
Oil Hours	826	728	1192	1113
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	353	363	319	353
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CONTAMINATION

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



WEAR METALS

Iron	ppm	24	16	21	138
Copper	ppm	40	25	25	11
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	2	<1
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

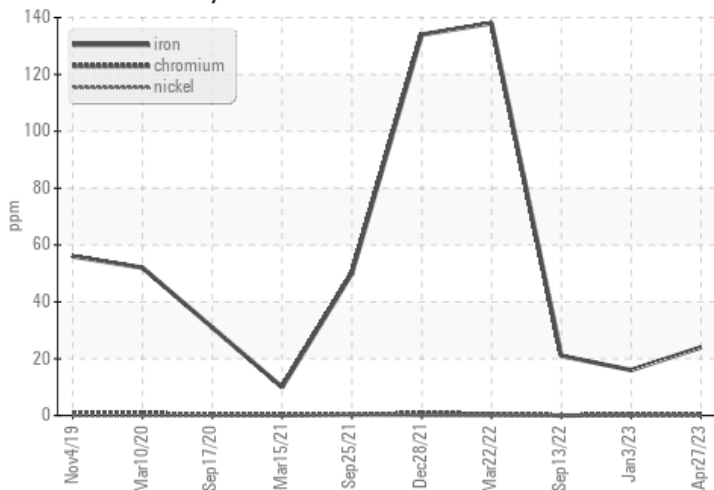
Calcium	ppm	9	2	4	3
Magnesium	ppm	2	<1	<1	0
Zinc	ppm	10	2	10	16
Phosphorus	ppm	1304	1047	1250	1237
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	2

Depot: POTRAN
Unique No: 10608964
Signed: Sean Felton
Report Date: 21 Aug 2023

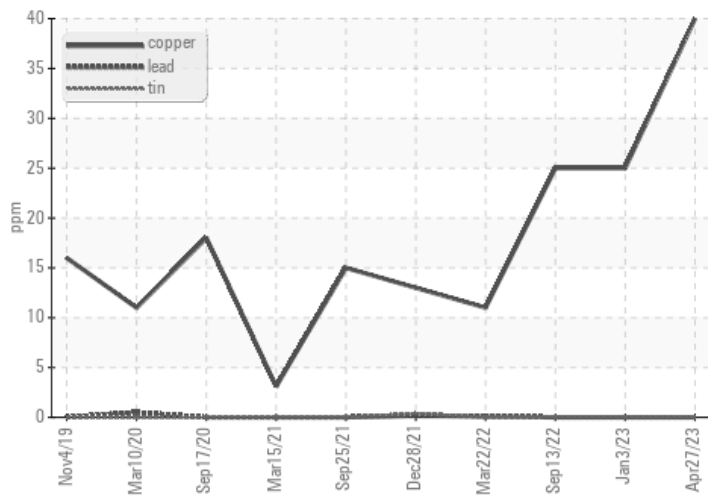


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

