

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-118499 - Energy Recovery Cylinder

Sample No: LHMC166742

Oil Type: LIEBHERR X-2



SADOFF IRON AND METAL
 240 ARNDT STREET
 FOND DU LAC, WI
 US 54936
 Contact: DAVE CASPER
 casperd@sadoff.com
 T:
 F:



Sample Information

Sample Number	LHMC166742	LH0244198	---	---
Sample Date	28 May 2024	18 Apr 2023	---	---
Machine Hours	7819	5488	---	---
Oil Hours	517	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



Oil Condition

Visc @ 40°C	cSt	● 113	● 118	---	---
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Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● 14	● 13	---	---
Sodium	ppm	● 1	● 4	---	---
Potassium	ppm	● 4	● 1	---	---



Wear Metals

Iron	ppm	● 148	● 96	---	---
Copper	ppm	● 2	● 0	---	---
Lead	ppm	● <1	● 0	---	---
Tin	ppm	● <1	● 0	---	---
Aluminum	ppm	● 6	● 6	---	---
Chromium	ppm	● 22	● 23	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	● 0	● 0	---	---
Titanium	ppm	1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	1	---	---
Vanadium	ppm	<1	0	---	---



Additives

Calcium	ppm	129	32	---	---
Magnesium	ppm	12	12	---	---
Zinc	ppm	58	6	---	---
Phosphorus	ppm	425	357	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	3	---	---

Diagnosis

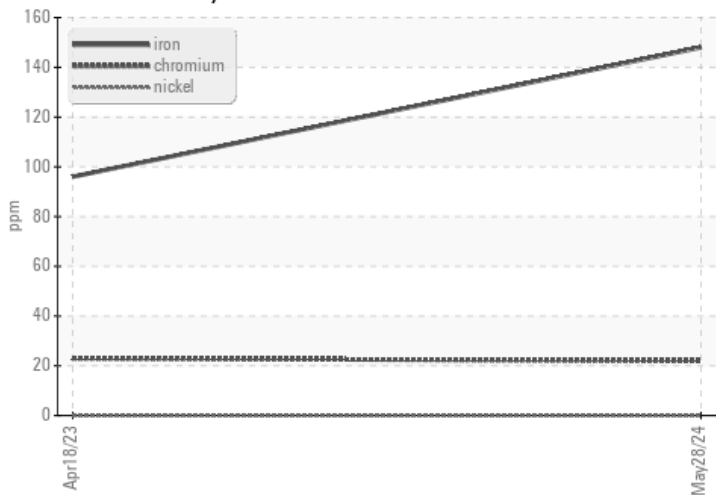
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: SADFON
 Unique No: 11069646
 Signed: Don Baldrige
 Report Date: 10 Jun 2024

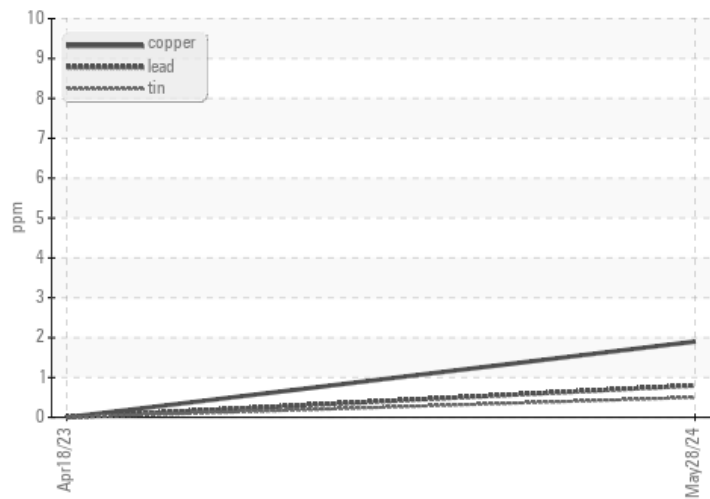


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

