

LIEBHERR

CONSTRUCTION EQUIPMENT



[(362876)] LIEBHERR R934 053896-1550 - Hydraulic System

Sample No: LH0284941

Oil Type: AW HYDRAULIC OIL ISO 46



SAMPLE INFORMATION

Sample Number	LH0284941	LH0256616	LH0230876	---
Sample Date	08 Feb 2024	21 Apr 2023	05 Jul 2022	---
Machine Hours	1399	982	535	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

MOFFATT SCRAP IRON & METAL INC.
 9620 GUELPH LINE
 CAMPBELLVILLE, ON
 CA L0P 1B0
 Contact: Paul Brochu
 maintenance@moffattscrapiron.ca
 T: (905)854-2792
 F: (905)854-1225



OIL CONDITION

Visc @ 40°C	cSt	41.4	42.8	43.5	---
-------------	-----	------	------	------	-----



CONTAMINATION

Water	%	NEG	NEG	0.021	---
Particles >4µm		5591	1303	9647	---
Particles >6µm		1591	294	1347	---
Particles >14µm		327	19	60	---
ISO 4406:1999 (c)		20/18/16	18/15/11	20/18/13	---
Silicon	ppm	2	2	2	---
Sodium	ppm	2	2	2	---
Potassium	ppm	1	<1	1	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	12	11	10	---
Copper	ppm	4	4	3	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	1	<1	<1	---
Chromium	ppm	<1	<1	0	---
Molybdenum	ppm	<1	0	0	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

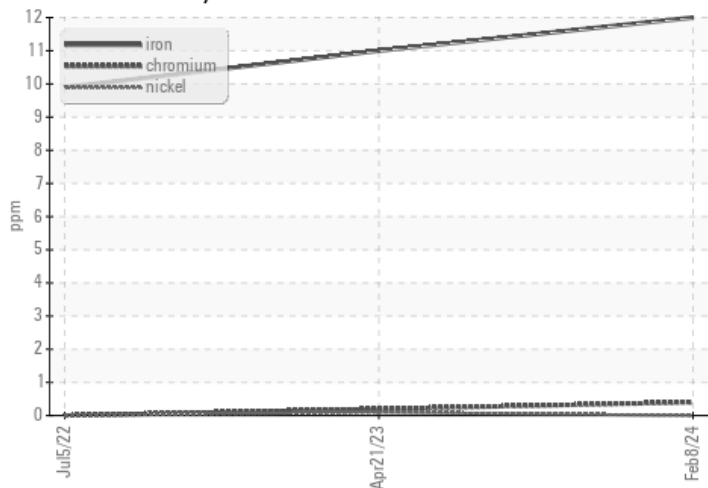
Calcium	ppm	813	924	940	---
Magnesium	ppm	9	7	4	---
Zinc	ppm	665	688	712	---
Phosphorus	ppm	565	638	608	---
Barium	ppm	0	0	0	---
Boron	ppm	<1	<1	<1	---

Depot: MOFMOF
 Unique No: 5723759
 Signed: Kevin Marson
 Report Date: 12 Feb 2024

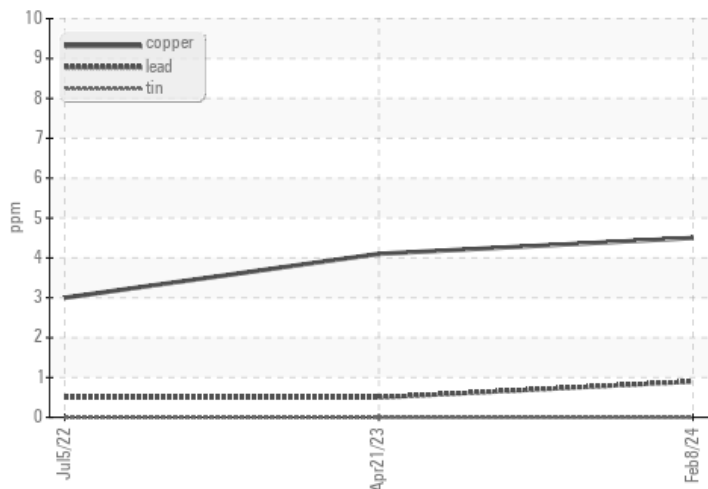


GRAPHS

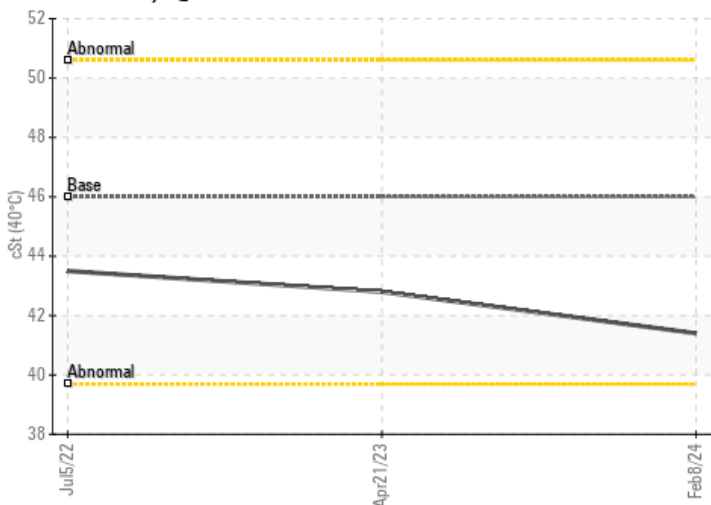
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

