

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A924C056515-1049 - Hydraulic System

Sample No: LH0267724

Oil Type: MV 46



#### Sample Information

Sample Number	LH0267724	LH0244924	LH0229929	---
Sample Date	06 May 2024	24 Apr 2023	29 Nov 2022	---
Machine Hours	13278	11657	10749	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

#### INTEGRITY METALS

835 EAST INDUSTRIAL  
MORRISTOWN, IN  
US 46161

Contact: HEIDI KERSTIENS  
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F: (765)763-8001



#### Oil Condition

Visc @ 40°C	cSt	52.1	47.7	46.0	---
Acid Number (AN)	mg KOH/g	0.76	0.90	0.93	---



#### Contamination

Water	%	NEG	NEG	NEG	---
Particles >4µm		8777	2866	2114	---
Particles >6µm		1244	232	522	---
Particles >14µm		58	8	28	---
ISO 4406:1999 (c)		20/17/13	19/15/10	18/16/12	---
Silicon	ppm	1	<1	2	---
Sodium	ppm	2	2	2	---
Potassium	ppm	1	<1	0	---

#### 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



#### Wear Metals

Iron	ppm	35	39	38	---
Copper	ppm	6	6	6	---
Lead	ppm	<1	0	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	2	2	2	---
Molybdenum	ppm	0	<1	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	1	<1	<1	---
Vanadium	ppm	0	0	0	---



#### Additives

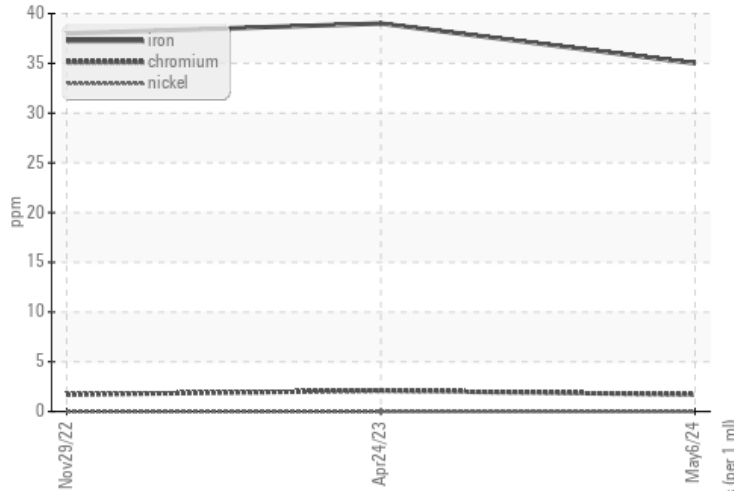
Calcium	ppm	374	667	794	---
Magnesium	ppm	6	10	7	---
Zinc	ppm	546	584	551	---
Phosphorus	ppm	464	490	481	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	0	---

Depot: INTMORLH  
Unique No: 11017991  
Signed: Wes Davis  
Report Date: 08 May 2024

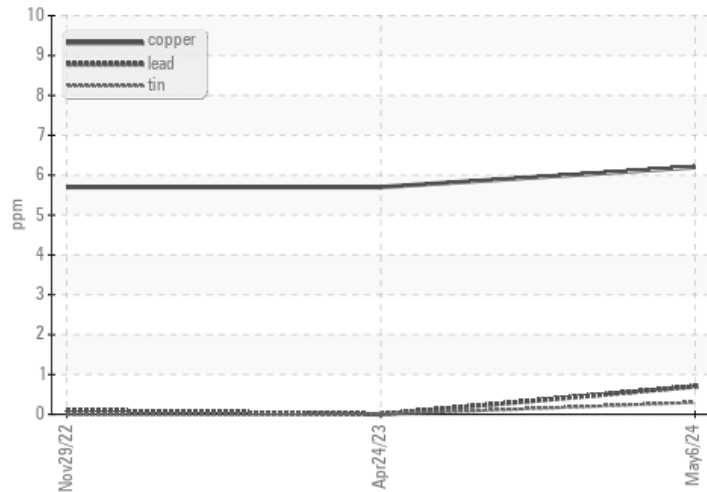


### Graphs

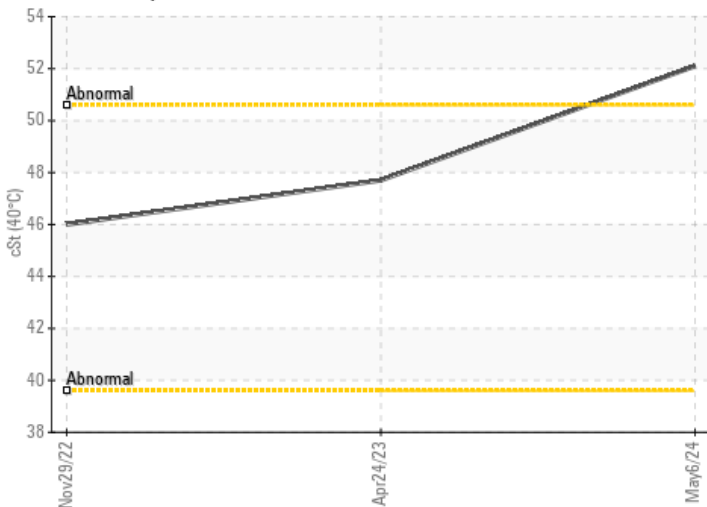
#### Ferrous Alloys



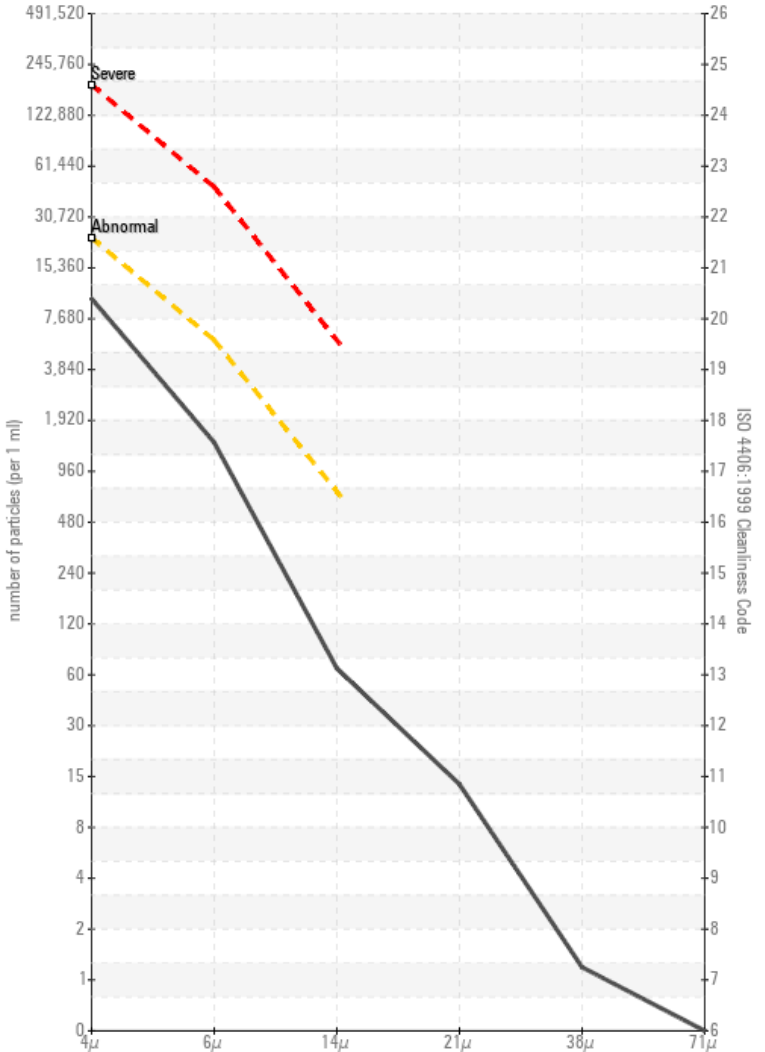
#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count



#### Acid Number

