

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A924C056977-1049 - Hydraulic System

Sample No: LH06131943

Oil Type: AW HYDRAULIC OIL ISO 68



**RECO EQUIPMENT INC.**  
1615 JP HENESSY DRIVE  
LAVERGNE, TN  
US 37086  
Contact: KEN FISCHER

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F:

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

Diagnosis



#### SAMPLE INFORMATION

Sample Number	LH06131943	LHMC79100	LHMC70241	LHMC66578
Sample Date	21 Mar 2024	05 Oct 2016	16 Aug 2014	01 Jul 2014
Machine Hours	16385	10210	7190	6926
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	Changed	Not Changd
Sample Status	ABNORMAL	NORMAL	ATTENTION	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	55.5	61.34	62.54	61.49
Acid Number (AN)	mg KOH/g	0.57	0.626	0.582	0.647



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		65221	2076	8271.	4511
Particles >6µm		5003	1131	4505.	2457
Particles >14µm		124	192	767.	418
ISO 4406:1999 (c)		23/20/14	18/17/15	20/19/17	19/18/16
Silicon	ppm	6	<1	3	2
Sodium	ppm	<1	3	<1	<1
Potassium	ppm	2	0	0	2



#### WEAR METALS

Iron	ppm	2	13	22	54
Copper	ppm	1	3	2	5
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	1	2	<1	<1
Chromium	ppm	<1	3	2	5
Molybdenum	ppm	1	4	0	0
Nickel	ppm	1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



#### ADDITIVES

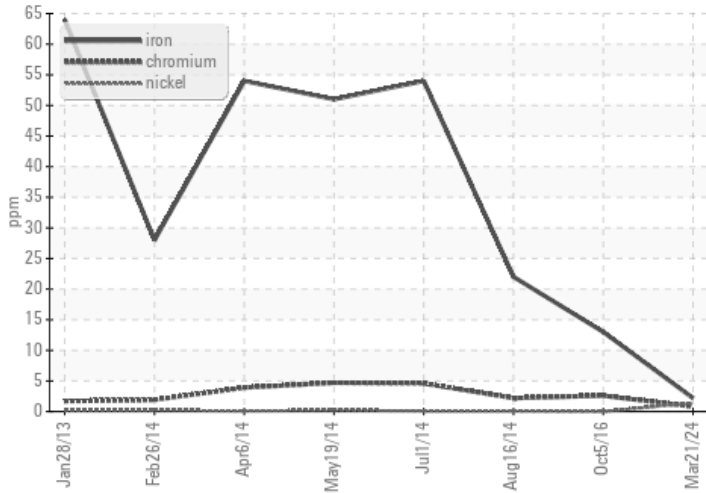
Calcium	ppm	51	131	100	188
Magnesium	ppm	7	1	0	0
Zinc	ppm	376	417	382	444
Phosphorus	ppm	250	346	316	350
Barium	ppm	0	0	0	0
Boron	ppm	0	3	<1	0

Depot: RECLAV  
Unique No: 10951408  
Signed: Jonathan Hester  
Report Date: 04 Apr 2024

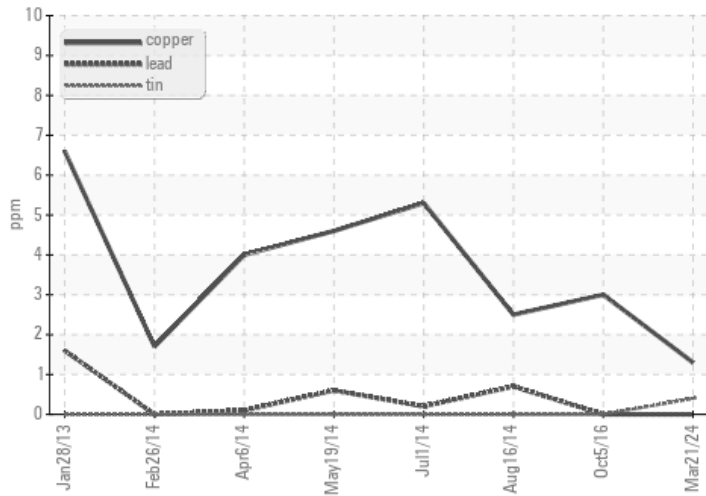


### GRAPHS

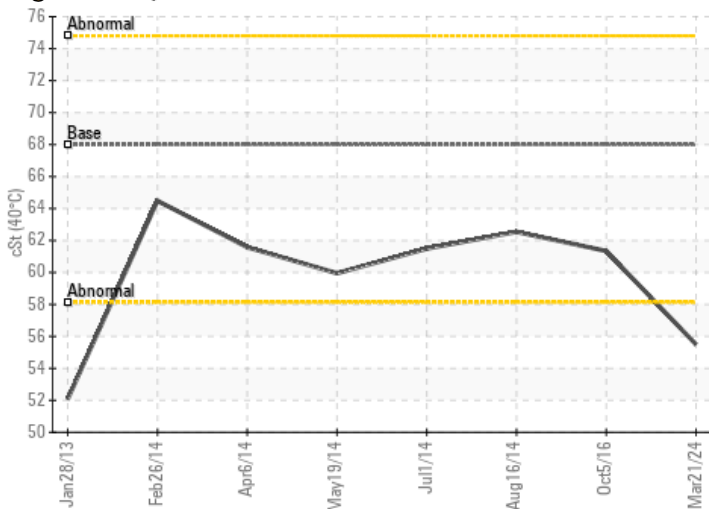
#### Ferrous Alloys



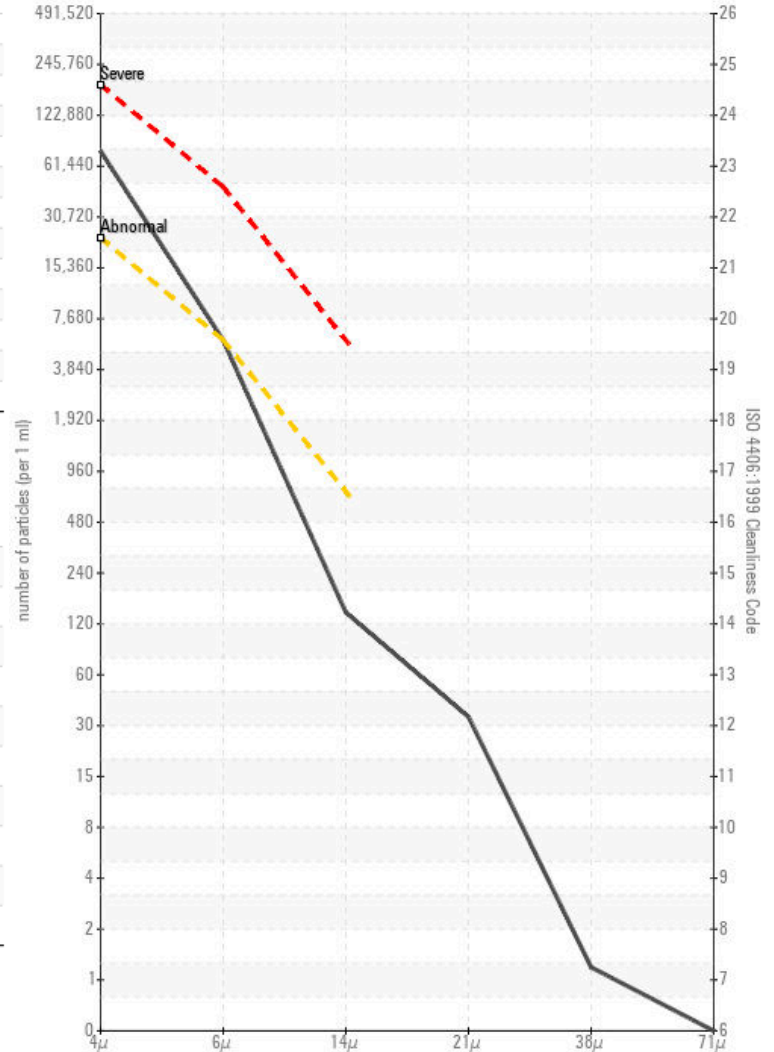
#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count



#### Acid Number

