

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [[BLOOMINGTON IRON]] LIEBHERR A904 030904-710 - Hydraulic

Sample No: LH0267728

Oil Type: MV 46



**RECO EQUIPMENT INC**  
 8075 PRODUCTION DRIVE  
 FLORENCE, KY  
 US 41042  
 Contact: TRACEY EDGERTON  
 tedgerton@recoequip.com  
 T:  
 F: (859)727-7974



#### Sample Information

Sample Number	LH0267728	LHMC003903	LHMC007098	---
Sample Date	17 Mar 2024	15 Aug 2007	31 Oct 2006	---
Machine Hours	8958	642	172	---
Oil Hours	0	642	172	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---



#### Oil Condition

Visc @ 40°C	cSt	63.5	65.88	66.18	---
Acid Number (AN)	mg KOH/g	0.40	0.910	0.908	---



#### Contamination

Water	%	NEG	NEG	NEG	---
Particles >4µm		10894	---	2776	---
Particles >6µm		1893	---	1026	---
Particles >14µm		133	---	109	---
ISO 4406:1999 (c)		21/18/14	---	19/17/14	---
Silicon	ppm	<1	2	1	---
Sodium	ppm	1	6	5	---
Potassium	ppm	2	0	0	---



#### Wear Metals

Iron	ppm	7	4	3	---
Copper	ppm	2	2	<1	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	0	<1	<1	---
Chromium	ppm	2	1	<1	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	0	---
Vanadium	ppm	0	0	0	---



#### Additives

Calcium	ppm	38	1232	1120	---
Magnesium	ppm	<1	8	7	---
Zinc	ppm	414	442	400	---
Phosphorus	ppm	334	404	325	---
Barium	ppm	0	0	0	---
Boron	ppm	0	<1	<1	---

#### Diagnosis

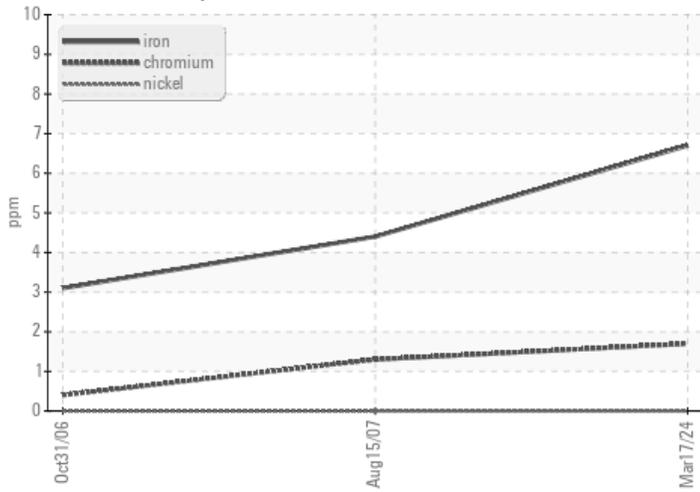
Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further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

Depot: LEC0082  
 Unique No: 10996354  
 Signed: Wes Davis  
 Report Date: 26 Apr 2024

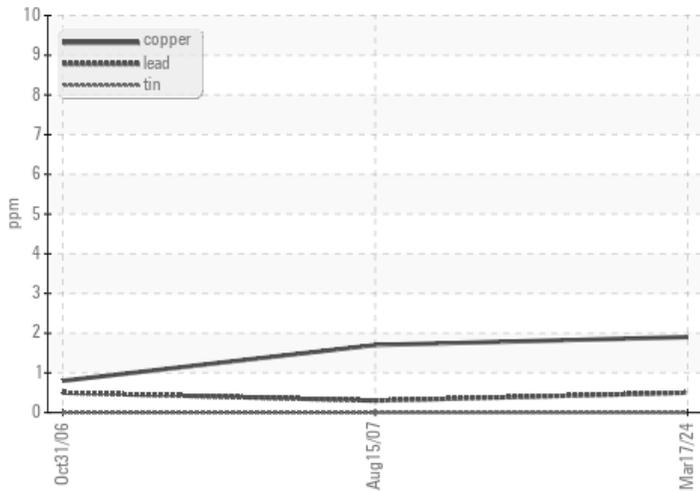


### Graphs

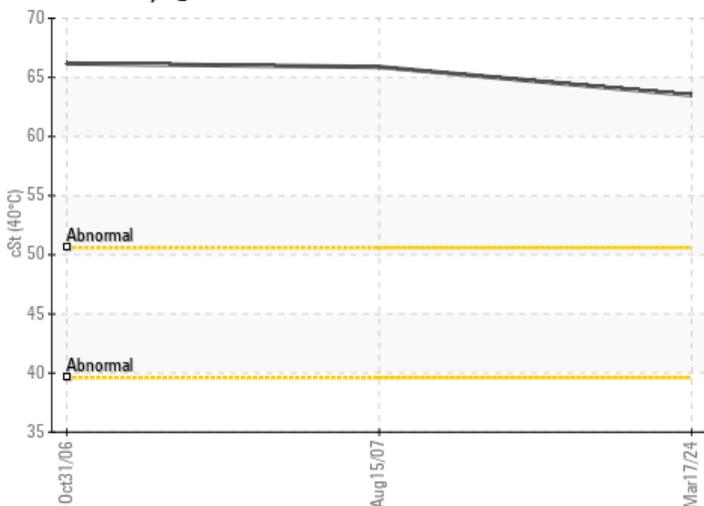
#### Ferrous Alloys



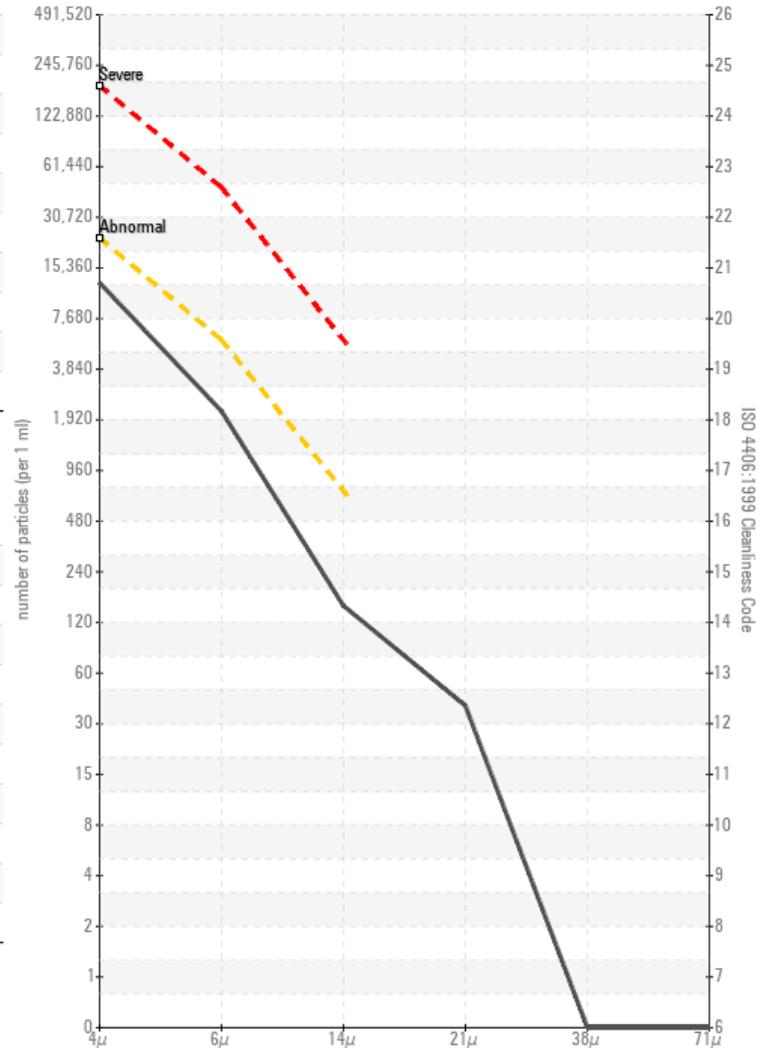
#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count



#### Acid Number

