

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR 087718 - Hydraulic System

Sample No: LHMC148331

Oil Type: AW HYDRAULIC OIL ISO 32



#### SAMPLE INFORMATION

Sample Number	LHMC148331	---	---	---
Sample Date	29 Jan 2024	---	---	---
Machine Hours	63	---	---	---
Oil Hours	63	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

**MACALJON MECHANICAL CONT**  
 4524 OGEECHEE RD  
 SAVANNAH, GA  
 US 31405  
 Contact: MIKE VITULLO  
 mvitullo@macaljon.com  
 T: (912)236-9333  
 F:



#### OIL CONDITION

Visc @ 40°C	cSt	37.6	---	---	---
Acid Number (AN)	mg KOH/g	0.34	---	---	---



#### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		10308	---	---	---
Particles >6µm		2688	---	---	---
Particles >14µm		276	---	---	---
ISO 4406:1999 (c)		21/19/15	---	---	---
Silicon	ppm	<1	---	---	---
Sodium	ppm	<1	---	---	---
Potassium	ppm	0	---	---	---

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



#### WEAR METALS

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



#### ADDITIVES

Calcium	ppm	39	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	332	---	---	---
Phosphorus	ppm	267	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

**Depot:** MACSAV  
**Unique No:** 10890483  
**Signed:** Don Baldrige  
**Report Date:** 25 Feb 2024

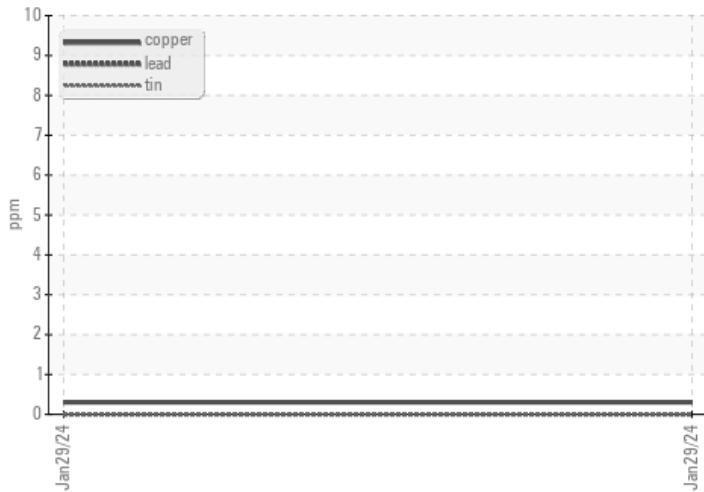


### GRAPHS

#### Ferrous Alloys



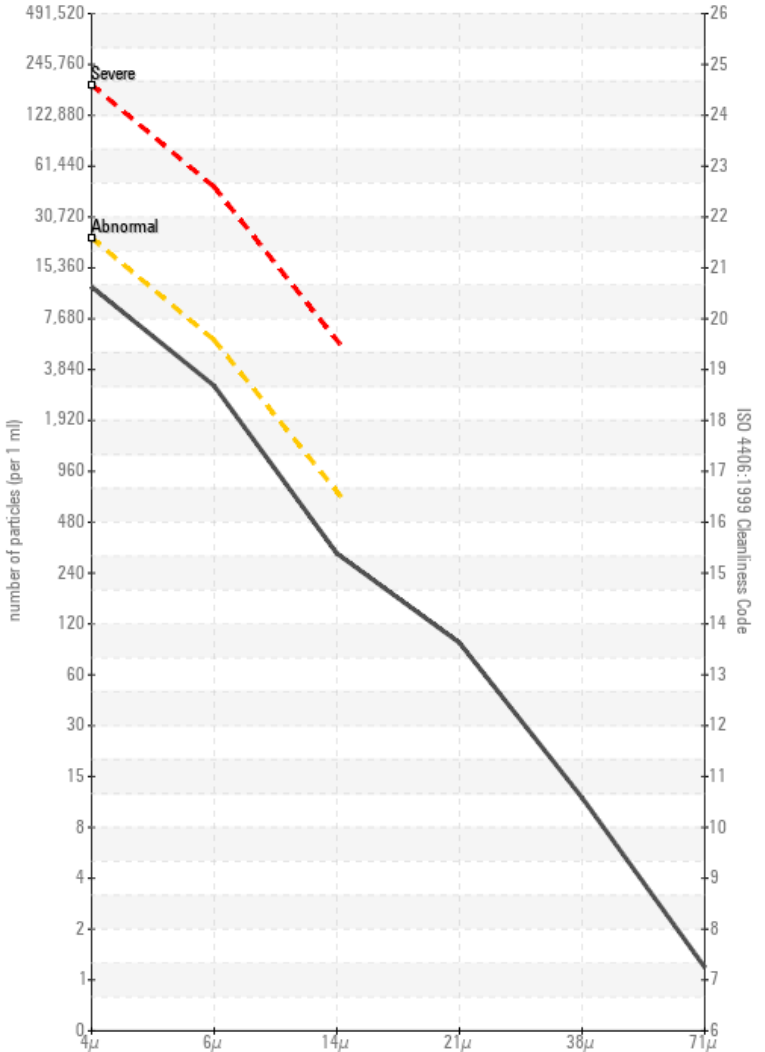
#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count



#### Acid Number

