

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 144901-1216 - Hydraulic System

Sample No: LH0259158

Oil Type: AW HYDRAULIC OIL ISO 68



DERICHEBOURG RECYCLING
 1 WHARF ST
 HOUSTON, TX
 US 77012
 Contact: JEFF MCLEROY
 jeff.mcleroy@derichebourg.com
 T: (281)642-6680
 F:



SAMPLE INFORMATION

Sample Number	LH0259158	---	---	---
Sample Date	27 Feb 2024	---	---	---
Machine Hours	2327	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	51.65	---	---	---
Acid Number (AN)	mg KOH/g	0.98	---	---	---



CONTAMINATION

Water	%	0.238	---	---	---
Particles >4µm		1357	---	---	---
Particles >6µm		739	---	---	---
Particles >14µm		126	---	---	---
ISO 4406:1999 (c)		18/17/14	---	---	---
Silicon	ppm	5	---	---	---
Sodium	ppm	0	---	---	---
Potassium	ppm	2	---	---	---



WEAR METALS

Iron	ppm	7	---	---	---
Copper	ppm	5	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	763	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	515	---	---	---
Phosphorus	ppm	394	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Diagnosis

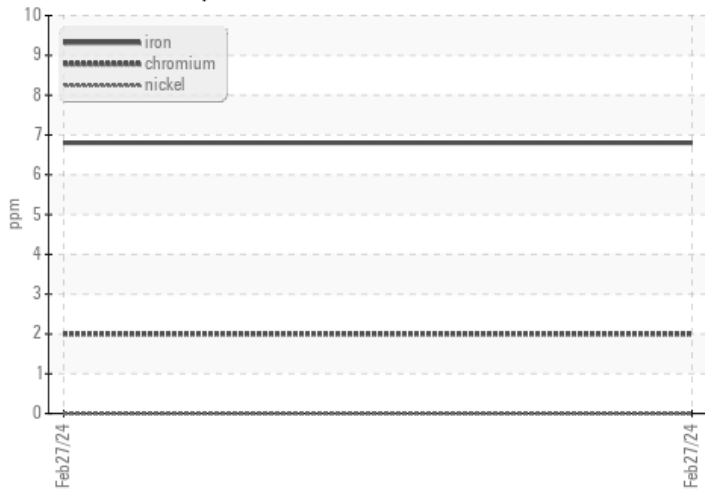
The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable. The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

Depot: DERHOU
Unique No: 10927760
Signed: Don Baldrige
Report Date: 21 Mar 2024

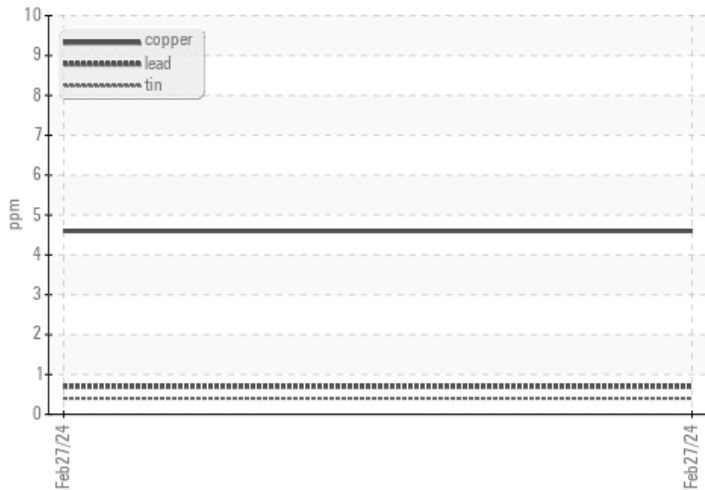


GRAPHS

Ferrous Alloys



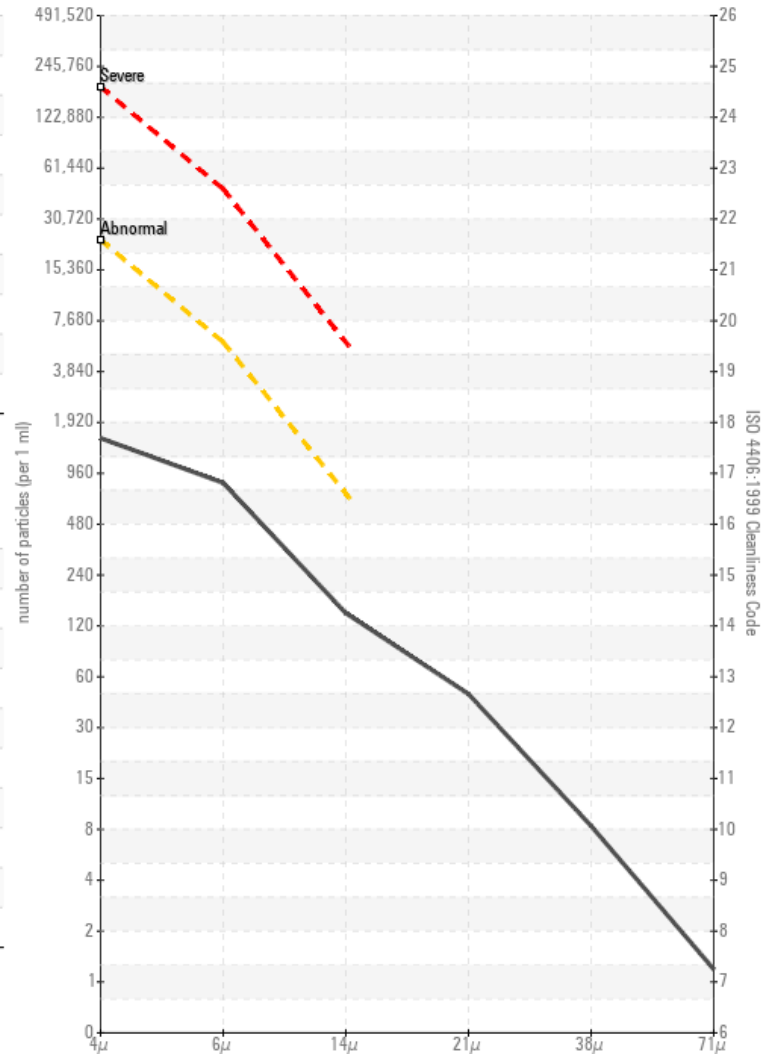
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

