

LIEBHERR

CONSTRUCTION EQUIPMENT



HARRIS L-125-52-11/8 2 (S/N 8981) - Hydraulic System

Sample No: LH0259189

Oil Type: AW HYDRAULIC OIL ISO 46



SAMPLE INFORMATION

Sample Number	LH0259189	---	---	---
Sample Date	19 Feb 2024	---	---	---
Machine Hours	6800	---	---	---
Oil Hours	6800	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

POTOMAC METALS

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US 20166
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F:



OIL CONDITION

Visc @ 40°C	cSt	41.5	---	---	---
Acid Number (AN)	mg KOH/g	0.53	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		89122	---	---	---
Particles >6µm		5984	---	---	---
Particles >14µm		52	---	---	---
ISO 4406:1999 (c)		24/20/13	---	---	---
Silicon	ppm	5	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	0	---	---	---

Diagnosis

We recommend you service the filters on this component if applicable. 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	12	---	---	---
Copper	ppm	22	---	---	---
Lead	ppm	4	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

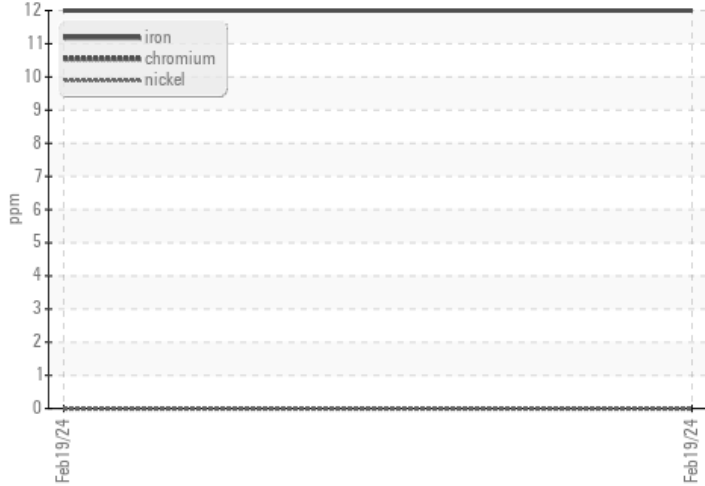
Calcium	ppm	163	---	---	---
Magnesium	ppm	164	---	---	---
Zinc	ppm	681	---	---	---
Phosphorus	ppm	596	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: POTSTE
Unique No: 10912822
Signed: Doug Bogart
Report Date: 07 Mar 2024

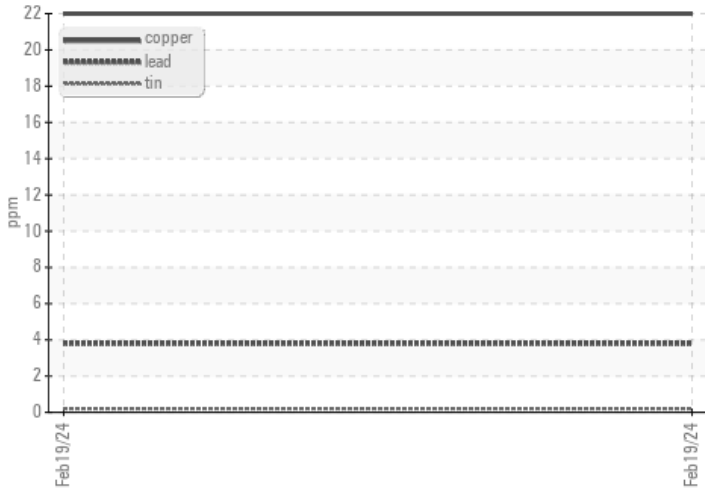


GRAPHS

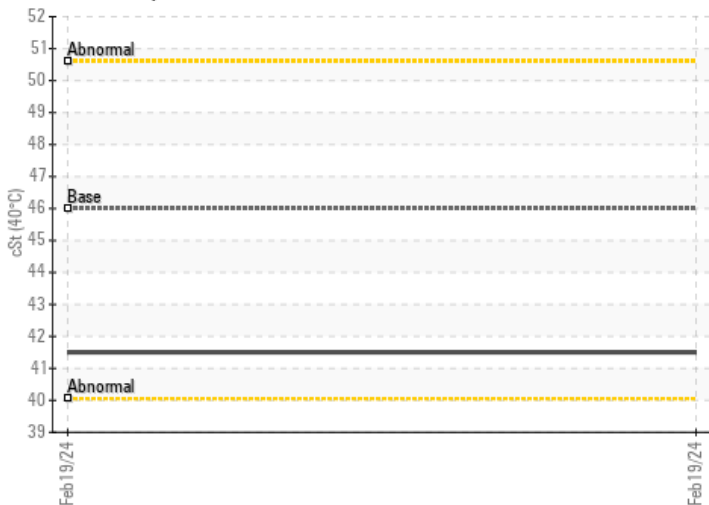
Ferrous Alloys



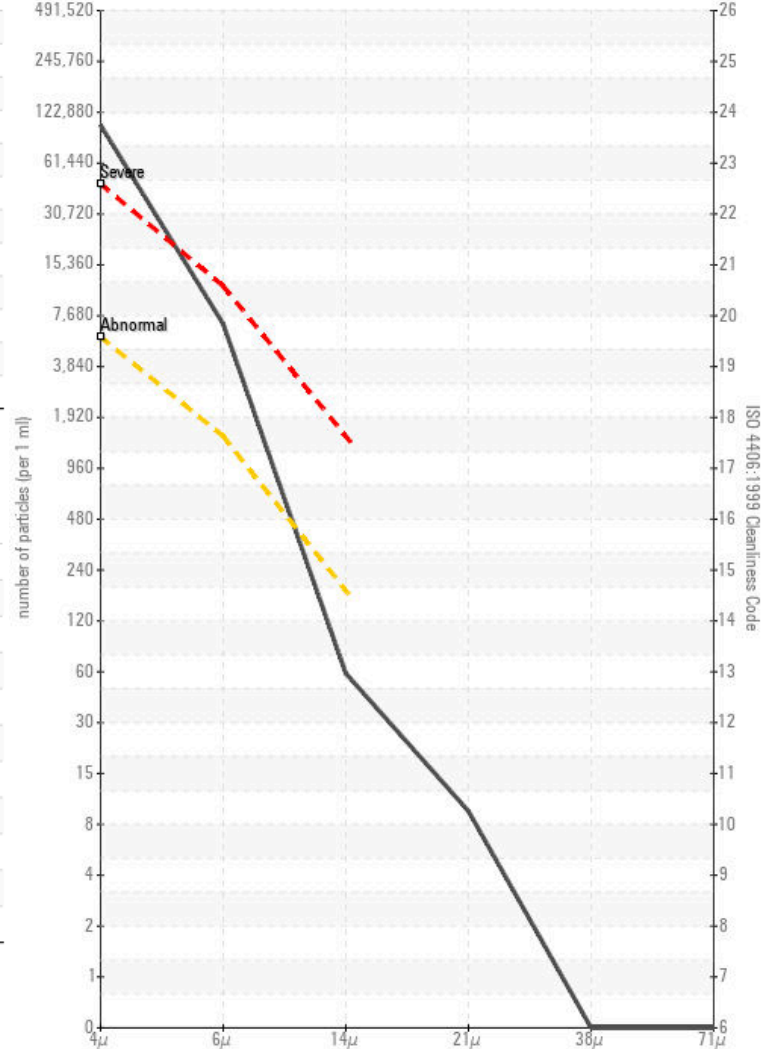
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

