

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH80M 1218-157090 - Hydraulic System

Sample No: LH0282895

Oil Type: TDH



KINDER MORGAN

4301 IVERSON

TRINITY, AL

US 35601

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SAMPLE INFORMATION

Sample Number	LH0282895	---	---	---
Sample Date	19 Mar 2024	---	---	---
Machine Hours	545	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	45.1	---	---	---
Acid Number (AN)	mg KOH/g	1.29	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		4161	---	---	---
Particles >6µm		643	---	---	---
Particles >14µm		26	---	---	---
ISO 4406:1999 (c)		19/17/12	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	1	---	---	---
Potassium	ppm	0	---	---	---



WEAR METALS

Iron	ppm	9	---	---	---
Copper	ppm	1	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1564	---	---	---
Magnesium	ppm	6	---	---	---
Zinc	ppm	749	---	---	---
Phosphorus	ppm	661	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	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: KINTRI

Unique No: 10950042

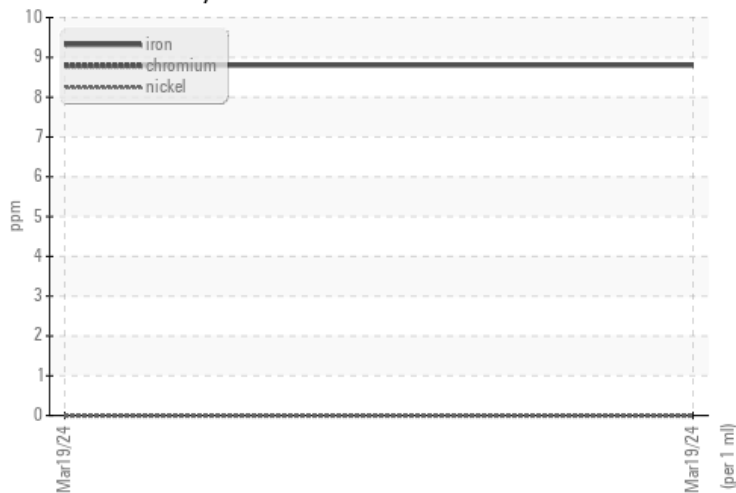
Signed: Wes Davis

Report Date: 28 Mar 2024

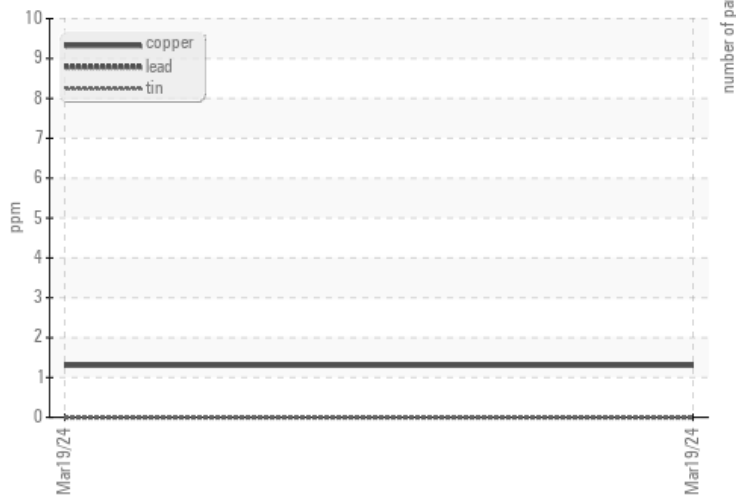


GRAPHS

Ferrous Alloys



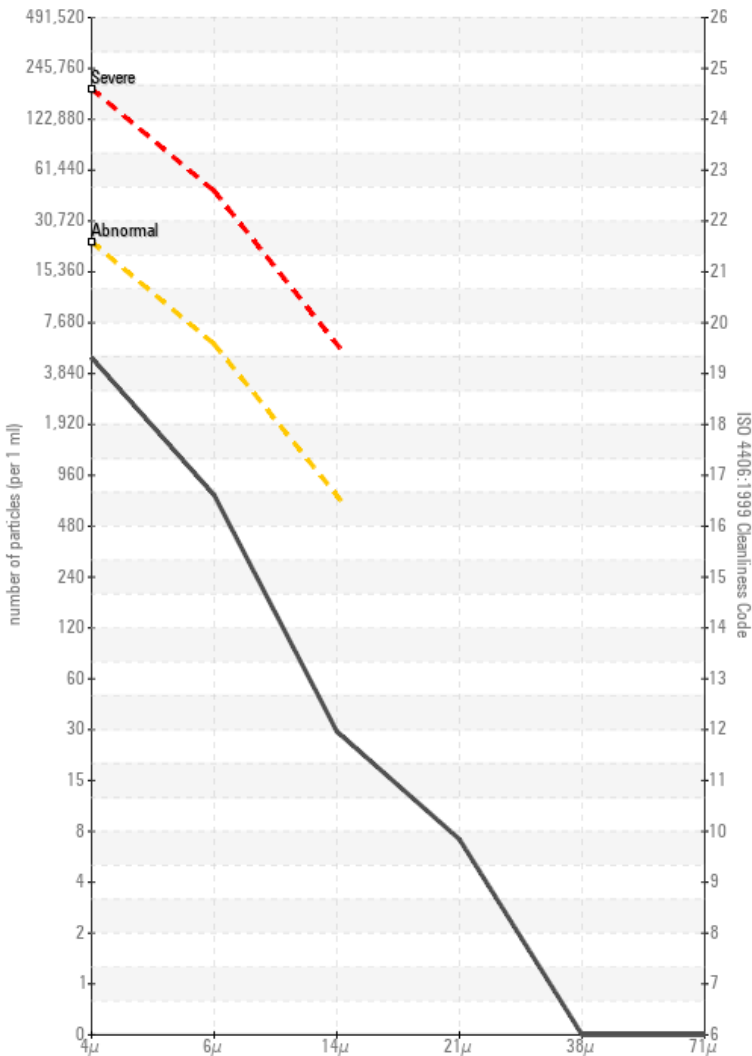
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

