LIEBHERR
CONSTRUCTION EQUIPMENT

LIEBHERR SW884ND 3W79-40261 - VALLEY CONSTRUCTION - Hydraulic System

Sample No: LH06131955

Oil Type: AW HYDRAULIC OIL ISO 46

SAMPLE INFORMATION

Sample Number		LH06131955	---	---	---
Sample Date		28 Mar 2024	---	---	---
Machine Hours		595	---	---	---
Oil Hours		595	---	---	---
Oil Changed		Not Changd	---	---	---
Sample Status		NORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	46.1	---	---	---
Acid Number (AN)	mg KOH/g	0.50	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		4303	---	---	---
Particles >6µm		540	---	---	---
Particles >14µm		37	---	---	---
ISO 4406:1999 (c)		19/16/12	---	---	---
Silicon	ppm	10	---	---	---
Sodium	ppm	1	---	---	---
Potassium	ppm	2	---	---	---

WEAR METALS

Iron	ppm	2	---	---	---
Copper	ppm	10	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	26	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	358	---	---	---
Phosphorus	ppm	251	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

LIEBHERR MINING EQUIPMENT CO
336 OSINO UNIT 12
ELKO, NV
US 89801
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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.

Diagnosis

Depot: LIEBHERRNV
Unique No: 10951420
Signed: Wes Davis
Report Date: 04 Apr 2024

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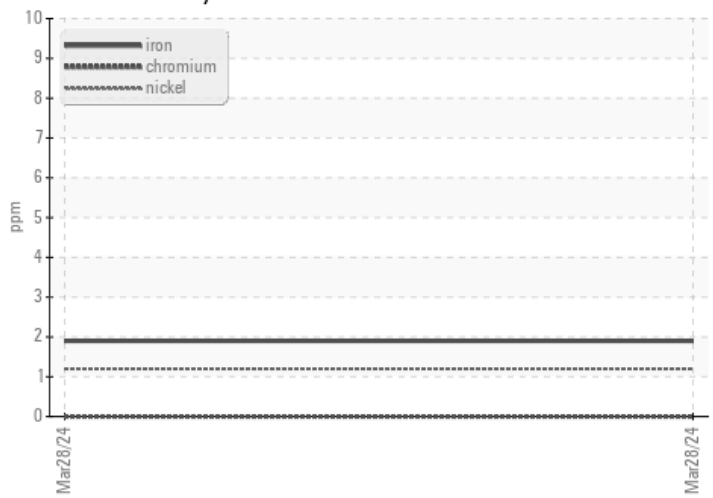
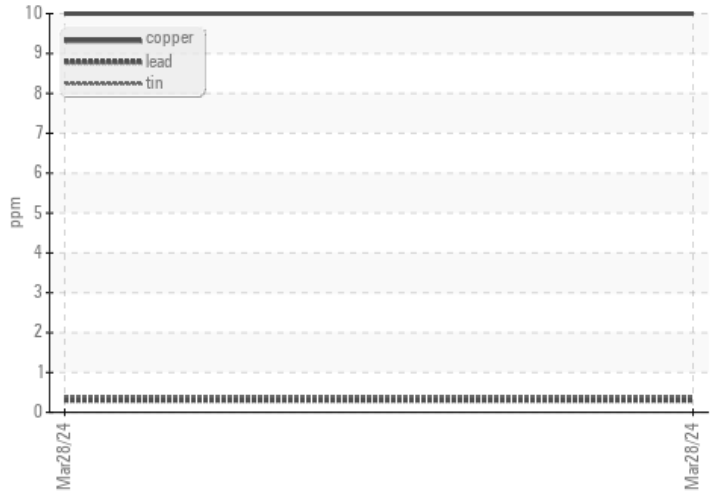
GRAPHS

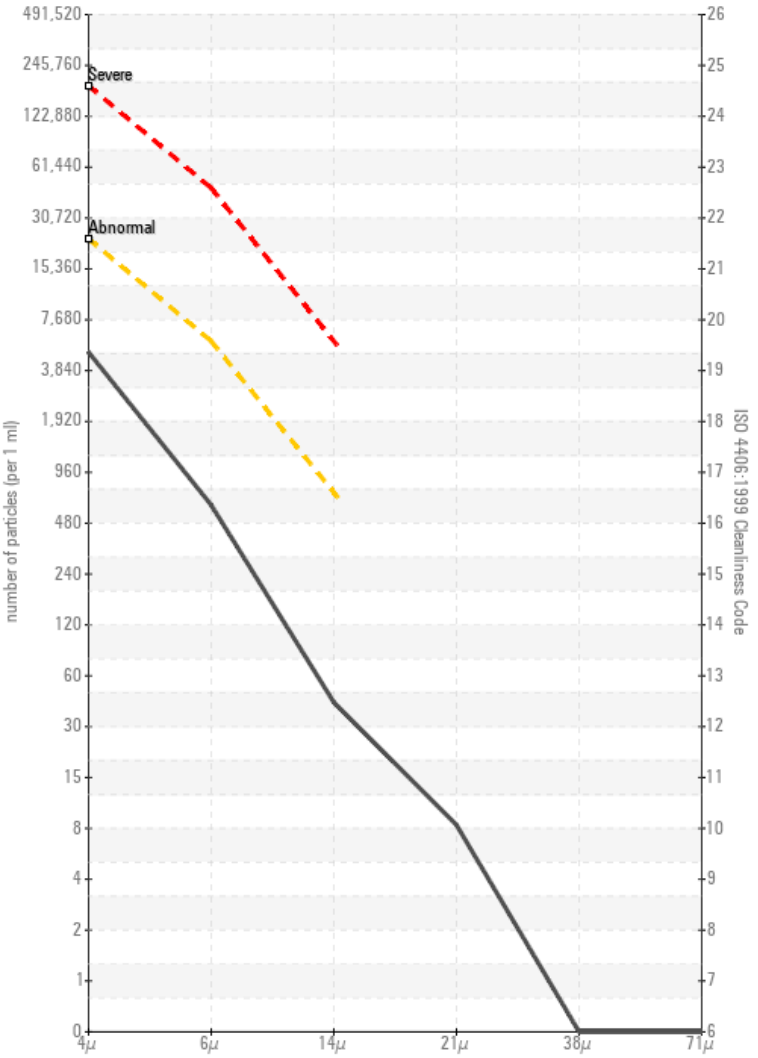
Ferrous Alloys



Non-ferrous Metals



Particle Count



Viscosity @ 40°C

Acid Number