LIEBHERR
CONSTRUCTION EQUIPMENT

LIEBHERR TA230 40305 (S/N 149809-1513) - Hydraulic Syste

Sample No: LH0264571

Oil Type: LIEBHERR HYDRAULIC HVI

LIEBHERR EQUIPMENT SOURCE
8200 FAYETTEVILLE ROAD
RALEIGH, NC
US 27603
Contact: TAYLOR BLALOCK
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T: (757)718-0491
F: (919)329-0084

SAMPLE INFORMATION

Sample Number		**LH0264571**	---	---	---
Sample Date		**01 Apr 2024**	---	---	---
Machine Hours		**650**	---	---	---
Oil Hours		**650**	---	---	---
Oil Changed		**Not Changd**	---	---	---
Sample Status		**NORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**48.0**	---	---	---
Acid Number (AN)	mg KOH/g	**1.30**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**5154**	---	---	---
Particles >6µm		**992**	---	---	---
Particles >14µm		**58**	---	---	---
ISO 4406:1999 (c)		**20/17/13**	---	---	---
Silicon	ppm	**3**	---	---	---
Sodium	ppm	**<1**	---	---	---
Potassium	ppm	**2**	---	---	---

WEAR METALS

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

ADDITIVES

Calcium	ppm	**1449**	---	---	---
Magnesium	ppm	**5**	---	---	---
Zinc	ppm	**775**	---	---	---
Phosphorus	ppm	**704**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**0**	---	---	---

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: LIEBHERRNC
Unique No: 10956808
Signed: Wes Davis
Report Date: 04 Apr 2024

Submitted By: TAYLOR BLALOCK

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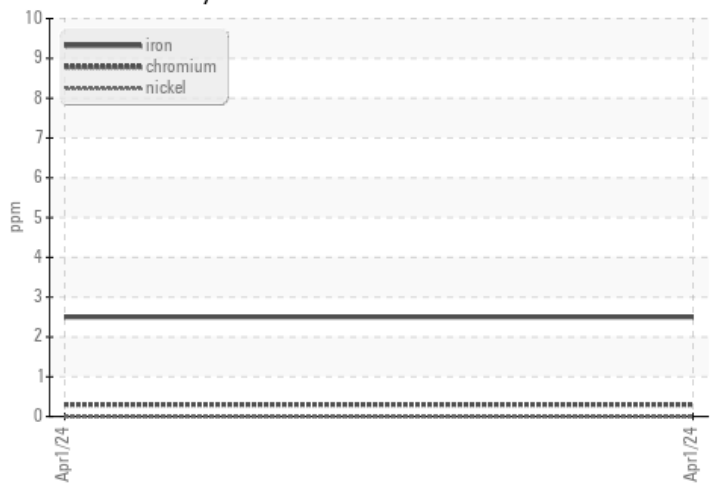
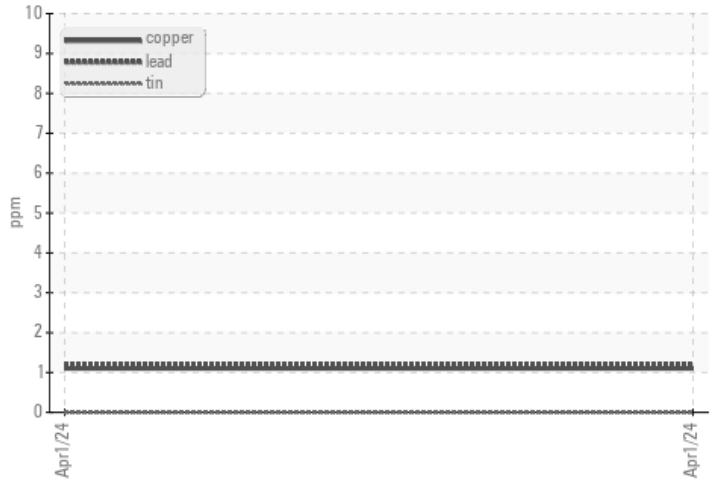
GRAPHS

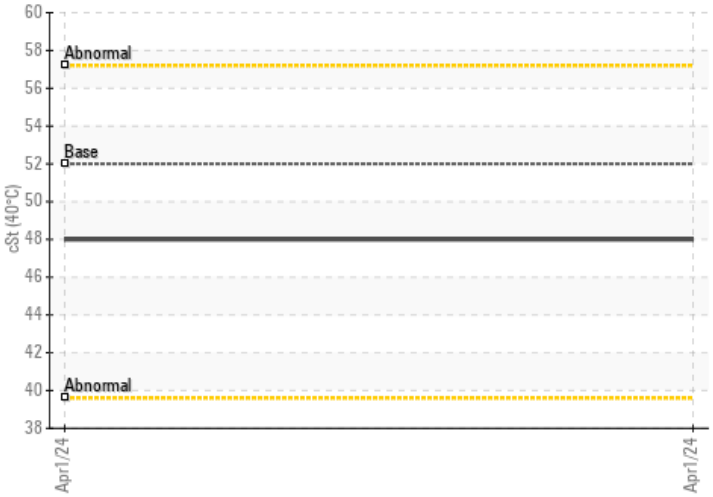
Ferrous Alloys



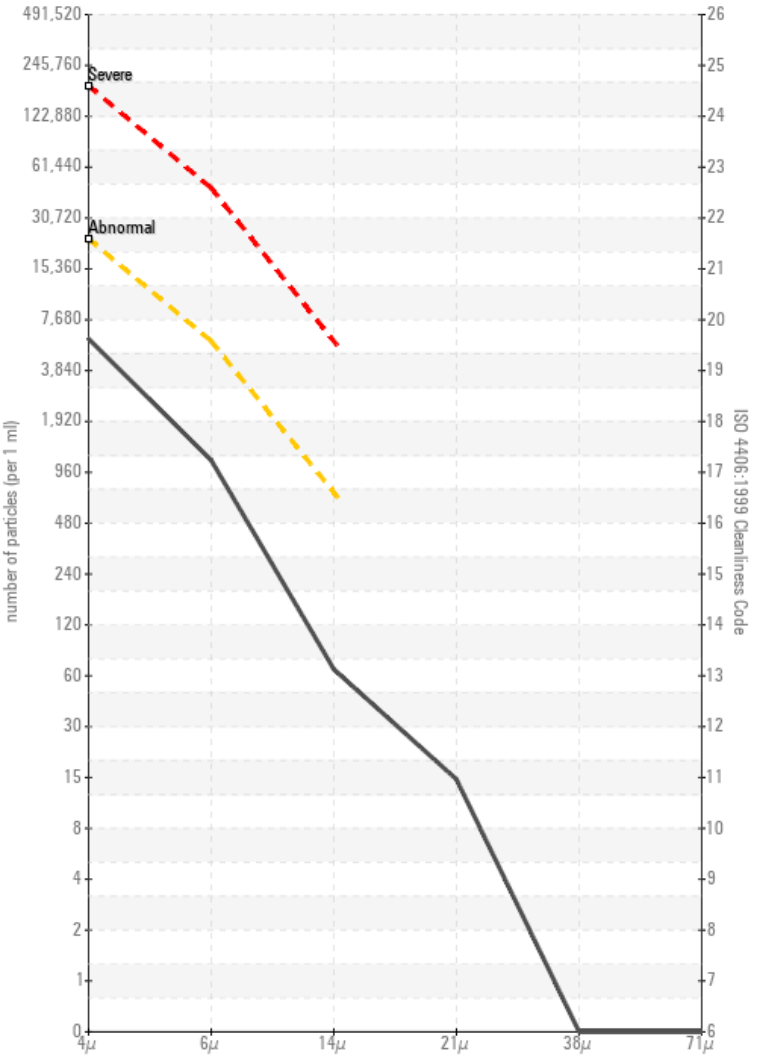
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number