LIEBHERR
CONSTRUCTION EQUIPMENT

73992 - Hydraulic System

Sample No: LH0270177

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number		**LH0270177**	---	---	---
Sample Date		**03 Mar 2024**	---	---	---
Machine Hours		**2090**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Not Changd**	---	---	---
Sample Status		**NORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**44.6**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**1027**	---	---	---
Particles >6µm		**158**	---	---	---
Particles >14µm		**7**	---	---	---
ISO 4406:1999 (c)		**17/14/10**	---	---	---
Silicon	ppm	**2**	---	---	---
Sodium	ppm	**1**	---	---	---
Potassium	ppm	**<1**	---	---	---

WEAR METALS

Iron	ppm	**4**	---	---	---
Copper	ppm	**3**	---	---	---
Lead	ppm	**2**	---	---	---
Tin	ppm	**<1**	---	---	---
Aluminum	ppm	**1**	---	---	---
Chromium	ppm	**3**	---	---	---
Molybdenum	ppm	**0**	---	---	---
Nickel	ppm	**0**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**0**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**1226**	---	---	---
Magnesium	ppm	**4**	---	---	---
Zinc	ppm	**708**	---	---	---
Phosphorus	ppm	**628**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**<1**	---	---	---

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Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.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 condition of the oil is acceptable for the time in service.

Depot: LIEMIS
Unique No: 5736689
Signed: Kevin Marson
Report Date: 05 Mar 2024

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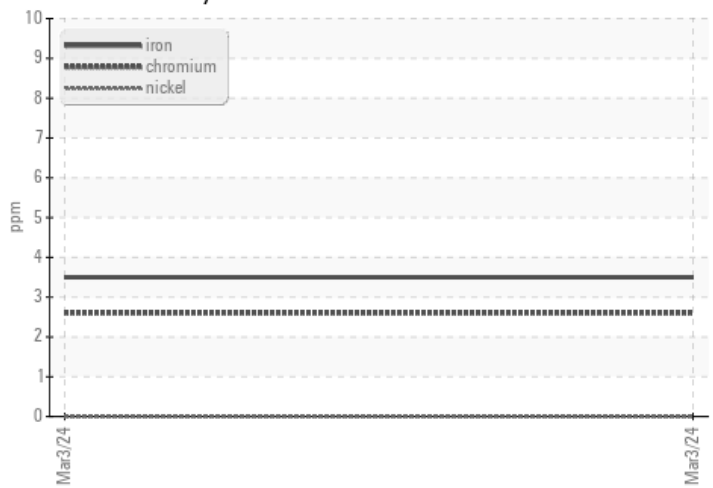
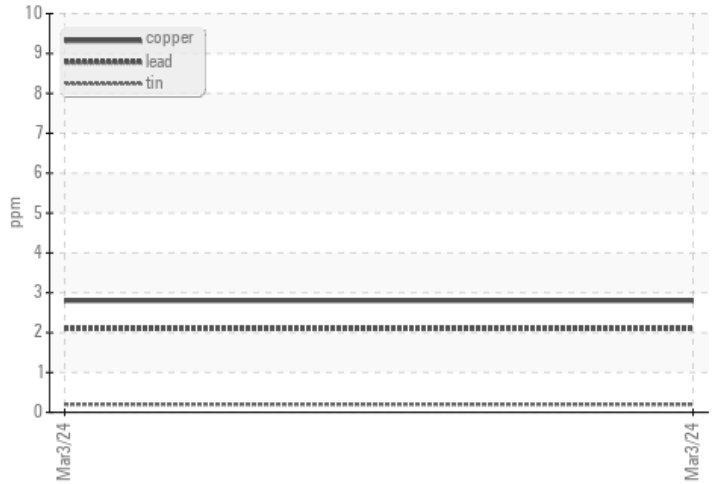
CONSTRUCTION EQUIPMENT

GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

Particle Count