

LIEBHERR

CONSTRUCTION EQUIPMENT



[SUBLATUS] 147537 - Hydraulic System

Sample No: LH0281027

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH0281027	---	---	---
Sample Date	17 Jan 2024	---	---	---
Machine Hours	900	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

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 10374 267 ST.
 ACHESON, AB
 CA T7X 6A2
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 dustin.fluet@liebherr.com
 T: (780)962-6088
 F: (780)962-6799



OIL CONDITION

Visc @ 40°C	cSt	● 47.4	---	---	---
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CONTAMINATION

Water	%	● 0.021	---	---	---
Particles >4µm		● 23954	---	---	---
Particles >6µm		● 4507	---	---	---
Particles >14µm		● 384	---	---	---
ISO 4406:1999 (c)		22/19/16	---	---	---
Silicon	ppm	● 4	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● 2	---	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible. The condition of the oil is acceptable for the time in service.



WEAR METALS

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



ADDITIVES

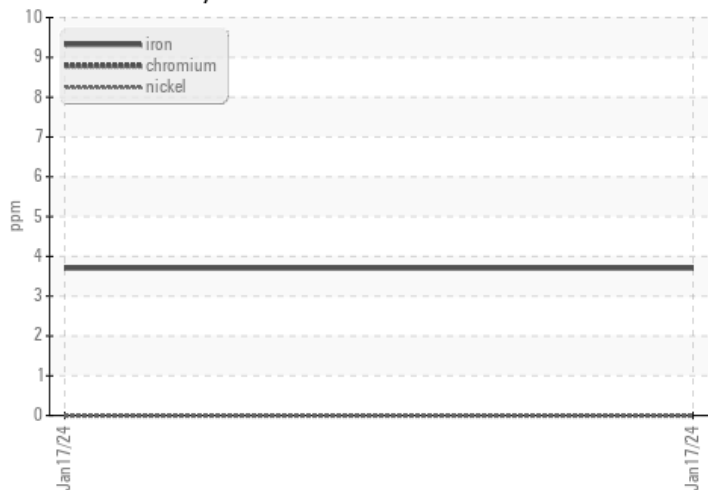
Calcium	ppm	1418	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	696	---	---	---
Phosphorus	ppm	634	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	<1	---	---	---

Depot: LIESPR
Unique No: 5722546
Signed: Wes Davis
Report Date: 06 Feb 2024

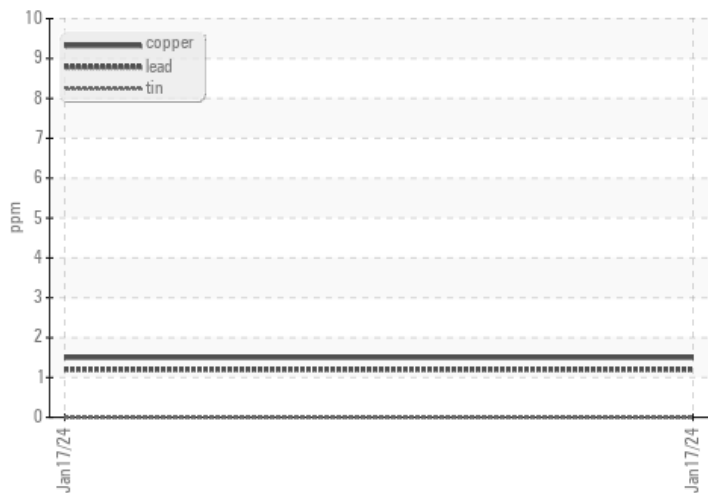


GRAPHS

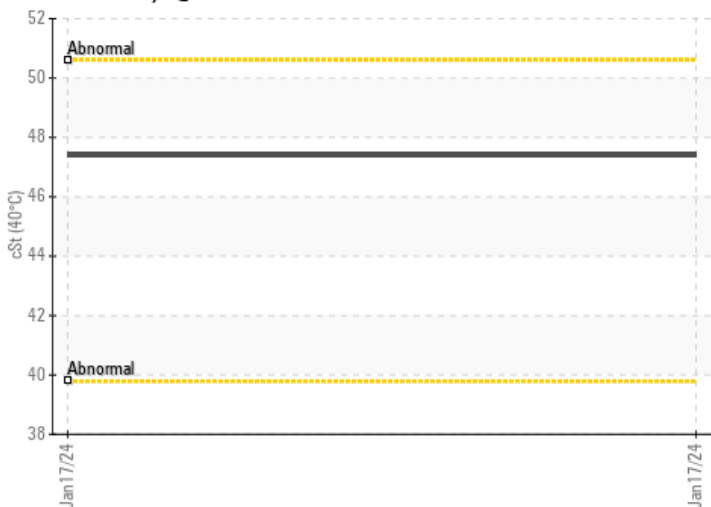
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

