LIEBHERR
CONSTRUCTION EQUIPMENT

[[SITEWORK DEVELOPMENT]] LIEBHERR LR626 017306-1327 - Hydraul

Sample No: LH0267348

Oil Type: LIEBHERR HYDRAULIC HVI

LIEBHERR EQUIPMENT SOURCE
8200 FAYETTEVILLE ROAD
RALEIGH, NC
US 27603
Contact: Timothy Bailey
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T:
F: (919)329-0084

SAMPLE INFORMATION

Sample Number		**LH0267348**	LH0191116	LHMC165201	---
Sample Date		**11 Jan 2024**	18 May 2021	12 Oct 2019	---
Machine Hours		**0**	1056	461	---
Oil Hours		**0**	0	461	---
Oil Changed		**Not Changd**	Not Changd	Not Changd	---
Sample Status		**ABNORMAL**	ABNORMAL	ABNORMAL	---

OIL CONDITION

Visc @ 40°C	cSt	**44.3**	44.6	45.0	---
Acid Number (AN)	mg KOH/g	**1.11**	1.123	1.023	---

CONTAMINATION

Water	%	**NEG**	NEG	NEG	---
Particles >4µm		**---**	---	52924	---
Particles >6µm		**---**	---	12690	---
Particles >14µm		**---**	---	868	---
ISO 4406:1999 (c)		**---**	---	23/21/17	---
Silicon	ppm	**5**	3	5	---
Sodium	ppm	**8**	5	3	---
Potassium	ppm	**2**	1	2	---

WEAR METALS

Iron	ppm	**18**	12	8	---
Copper	ppm	**9**	6	4	---
Lead	ppm	**2**	2	<1	---
Tin	ppm	**0**	<1	<1	---
Aluminum	ppm	**1**	0	<1	---
Chromium	ppm	**2**	1	<1	---
Molybdenum	ppm	**0**	0	<1	---
Nickel	ppm	**0**	0	<1	---
Titanium	ppm	**<1**	<1	0	---
Silver	ppm	**0**	0	0	---
Manganese	ppm	**0**	<1	<1	---
Vanadium	ppm	**0**	0	0	---

ADDITIVES

Calcium	ppm	**1499**	1332	1388	---
Magnesium	ppm	**7**	5	5	---
Zinc	ppm	**670**	664	629	---
Phosphorus	ppm	**575**	566	577	---
Barium	ppm	**0**	0	0	---
Boron	ppm	**0**	1	<1	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: LIEBHERRNC
Unique No: 10833951
Signed: Jonathan Hester
Report Date: 19 Jan 2024

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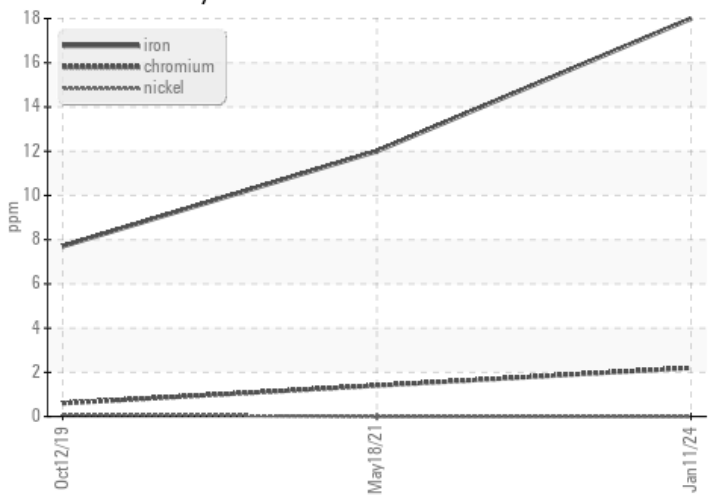
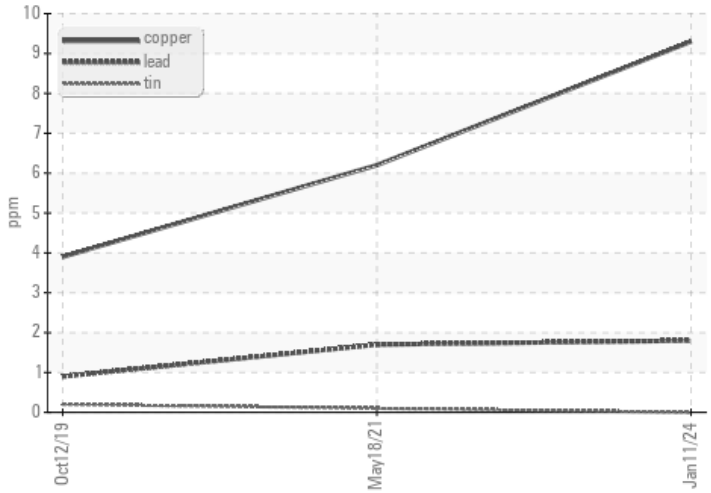
GRAPHS

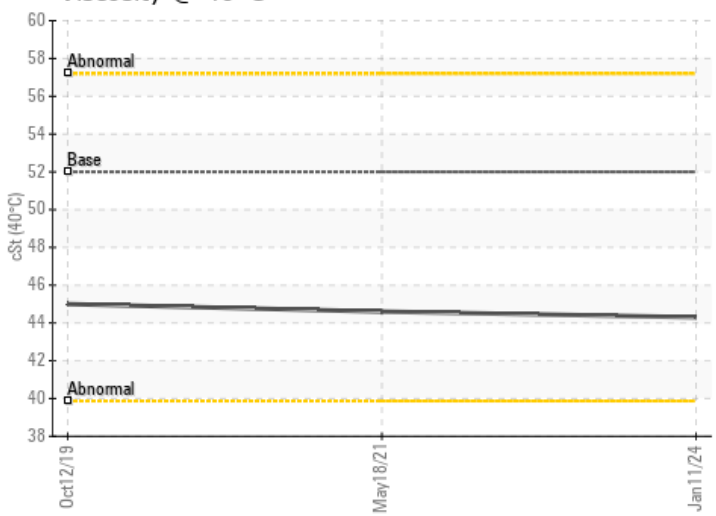
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number