LIEBHERR
CONSTRUCTION EQUIPMENT

[RMR-Metropolis] LIEBHERR LH80C 114802-1529 - Hydraulic S

Sample No: LH06072226

Oil Type: {unknown}

RECO EQUIPMENT INC.
1615 JP HENESSY DRIVE
LAVERGNE, TN
US 37086
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SAMPLE INFORMATION

Sample Number		**LH06072226**	LH05920685	LHMC201012	LHMC104577
Sample Date		**13 Oct 2023**	02 Nov 2022	17 Mar 2021	24 Nov 2020
Machine Hours		**6708**	5436	2631	1971
Oil Hours		**0**	0	0	0
Oil Changed		**N/A**	Changed	Not Changd	N/A
Sample Status		**NORMAL**	NORMAL	NORMAL	ABNORMAL

OIL CONDITION

Visc @ 40°C	cSt	**42.8**	42.3	43.3	44.0
Acid Number (AN)	mg KOH/g	**0.74**	0.81	1.098	1.026

CONTAMINATION

Water	%	**NEG**	NEG	NEG	NEG
Particles >4µm		**2595**	775	5052	74738
Particles >6µm		**727**	92	926	10870
Particles >14µm		**57**	11	35	98
ISO 4406:1999 (c)		**19/17/13**	17/14/11	20/17/12	23/21/14
Silicon	ppm	**6**	7	5	4
Sodium	ppm	**1**	7	1	2
Potassium	ppm	**4**	3	<1	0

WEAR METALS

Iron	ppm	**18**	14	9	8
Copper	ppm	**14**	17	5	5
Lead	ppm	**0**	3	<1	<1
Tin	ppm	**0**	<1	<1	<1
Aluminum	ppm	**2**	0	0	0
Chromium	ppm	**<1**	<1	<1	<1
Molybdenum	ppm	**0**	1	0	<1
Nickel	ppm	**0**	<1	0	0
Titanium	ppm	**<1**	<1	0	0
Silver	ppm	**0**	<1	0	<1
Manganese	ppm	**0**	2	<1	<1
Vanadium	ppm	**0**	0	0	0

ADDITIVES

Calcium	ppm	**762**	661	1028	1157
Magnesium	ppm	**4**	3	4	5
Zinc	ppm	**552**	492	610	646
Phosphorus	ppm	**444**	405	526	564
Barium	ppm	**0**	0	0	0
Boron	ppm	**<1**	0	<1	3

Diagnosis

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. 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.

Depot: RECLAV
Unique No: 10848903
Signed: Wes Davis
Report Date: 29 Jan 2024

LIEBHERR
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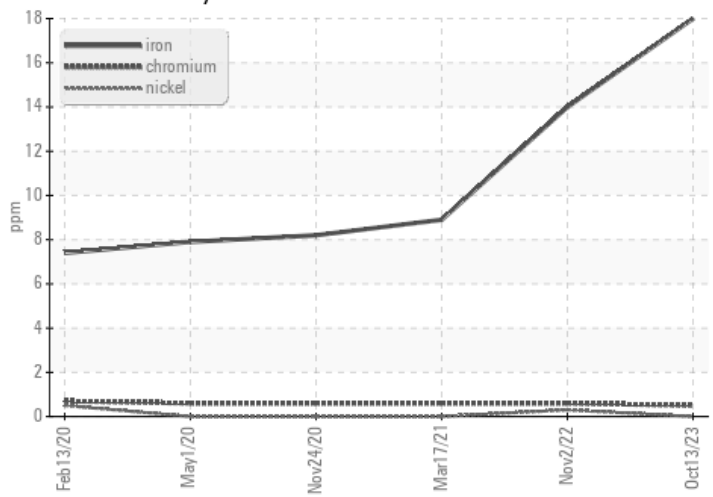
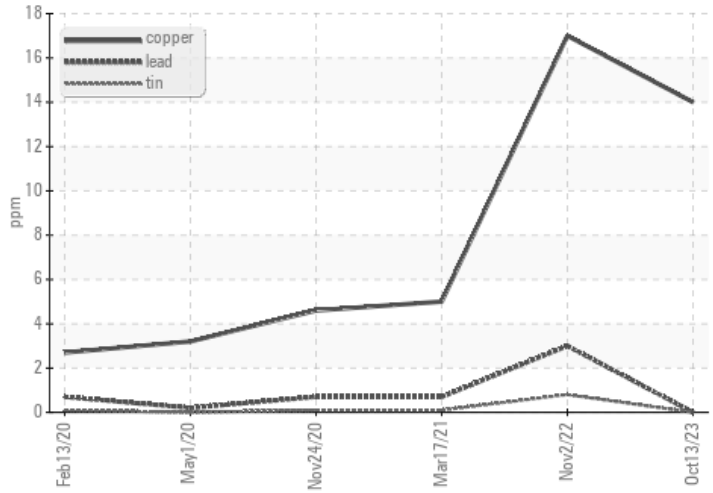
GRAPHS

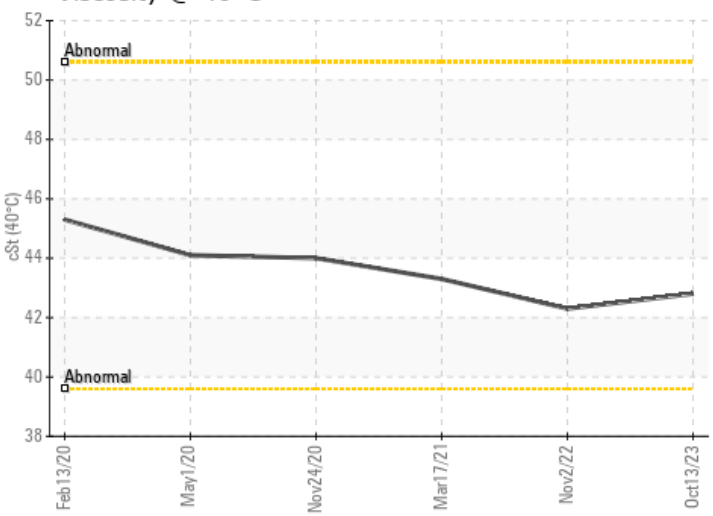
Ferrous Alloys



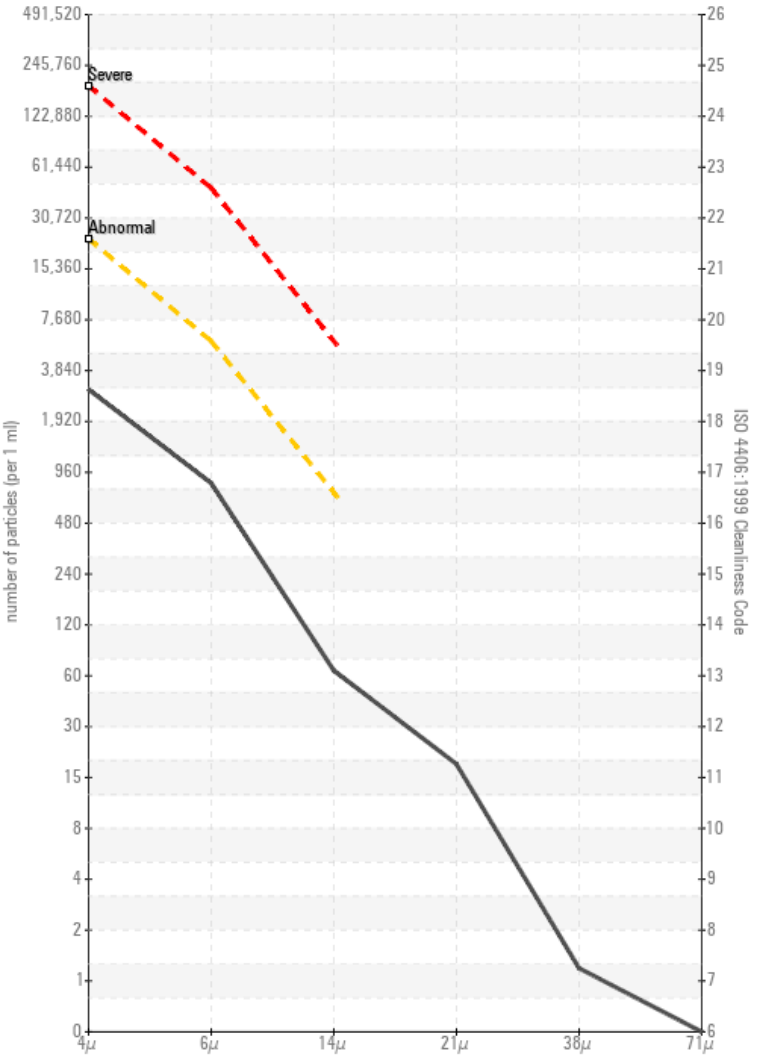
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number