LIEBHERR
CONSTRUCTION EQUIPMENT

LIEBHERR LH40C 117763-1527 - Hydraulic System

Sample No: LH0285110

Oil Type: {unknown}

MOFFATT SCRAP IRON & METAL INC.
9620 GUELPH LINE
CAMPBELLVILLE, ON
CA L0P 1B0
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SAMPLE INFORMATION

Sample Number		**LH0285110**	LH0256611	LH0247435	LH0203169
Sample Date		**08 Feb 2024**	13 Apr 2023	16 Dec 2022	15 Jul 2022
Machine Hours		**6604**	5457	5012	4444
Oil Hours		**0**	0	0	0
Oil Changed		**Not Changd**	Not Changd	Changed	Not Changd
Sample Status		**NORMAL**	ABNORMAL	ABNORMAL	ABNORMAL

OIL CONDITION

Visc @ 40°C	cSt	**40.2**	43.0	42.5	41.9

CONTAMINATION

Water	%	**NEG**	NEG	0.013	NEG
Particles >4µm		**8021**	6630	101423	3657
Particles >6µm		**2355**	1460	34542	852
Particles >14µm		**181**	82	1359	47
ISO 4406:1999 (c)		**20/18/15**	20/18/14	24/22/18	19/17/13
Silicon	ppm	**<1**	<1	1	1
Sodium	ppm	**<1**	<1	<1	1
Potassium	ppm	**<1**	<1	<1	<1

WEAR METALS

PQ		**---**	---	---	0
Iron	ppm	**25**	27	46	57
Copper	ppm	**1**	2	3	3
Lead	ppm	**<1**	<1	1	<1
Tin	ppm	**0**	0	0	0
Aluminum	ppm	**<1**	0	<1	<1
Chromium	ppm	**1**	<1	<1	<1
Molybdenum	ppm	**0**	0	0	0
Nickel	ppm	**<1**	0	0	0
Titanium	ppm	**0**	0	<1	<1
Silver	ppm	**0**	0	0	0
Manganese	ppm	**0**	<1	<1	1
Vanadium	ppm	**0**	0	0	0

ADDITIVES

Calcium	ppm	**179**	226	360	521
Magnesium	ppm	**14**	11	13	6
Zinc	ppm	**585**	657	514	565
Phosphorus	ppm	**483**	572	504	461
Barium	ppm	**0**	0	0	0
Boron	ppm	**<1**	<1	0	<1

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 condition of the oil is acceptable for the time in service.

Depot: MOFMOF
Unique No: 5723762
Signed: Wes Davis
Report Date: 12 Feb 2024

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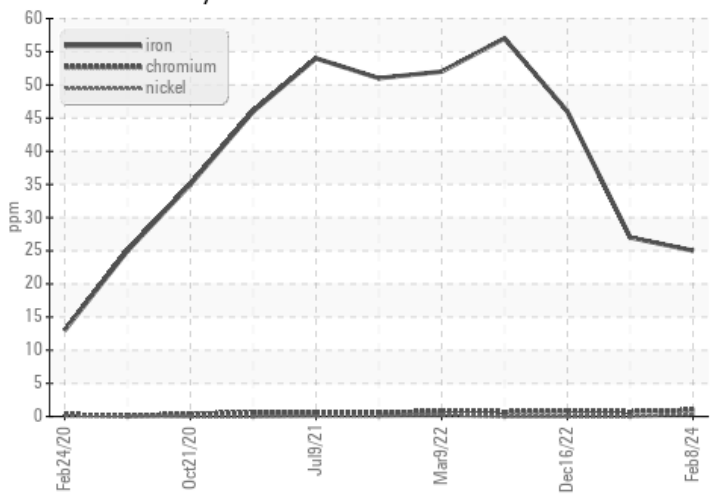
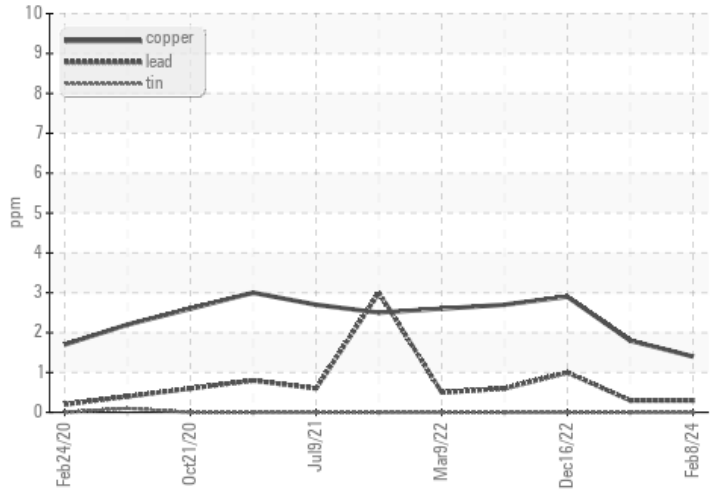
GRAPHS

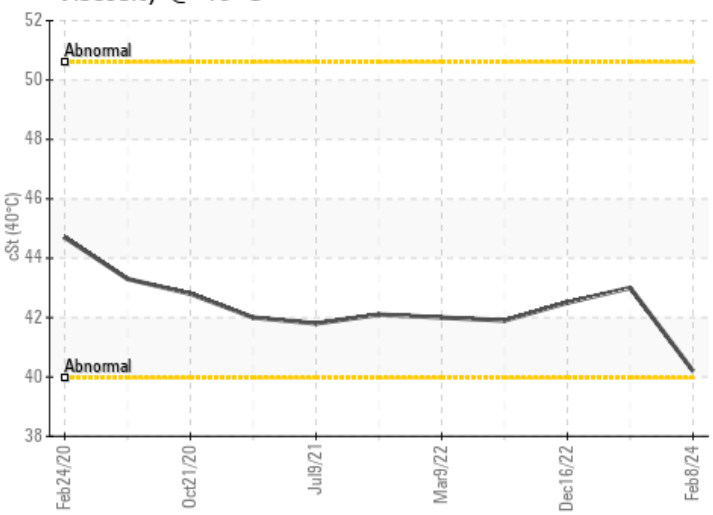
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count