

LIEBHERR

CONSTRUCTION EQUIPMENT



096750-1204 - Hydraulic System

Sample No: LH0270242

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH0270242	LH0216226	LH0251713	LH0227485
Sample Date	16 Oct 2023	02 May 2023	30 Jan 2023	14 Oct 2022
Machine Hours	10590	9957	9461	8939
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

American Iron and Metal

120 Bentley Avenue

Ottawa, ON

CA K2E 6T9

Contact: Yvon Lalonde



OIL CONDITION

Visc @ 40°C	cSt	37.8	39.6	48.1	40.1
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T: (819)230-7247

F:



CONTAMINATION

Particles >4µm	138	246	1231	13145
Particles >6µm	37	70	350	3181
Particles >14µm	4	6	28	152
ISO 4406:1999 (c)	14/12/9	15/13/10	17/16/12	21/19/14
Silicon	ppm	1	<1	<1
Sodium	ppm	2	<1	0
Potassium	ppm	<1	<1	0

Diagnosis

Resample at the next service interval to monitor. 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.



WEAR METALS

Iron	ppm	8	9	<1	7
Copper	ppm	2	3	0	3
Lead	ppm	<1	<1	0	1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	0	0
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	3	7	0	0
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	228	52	105	45
Magnesium	ppm	3	1	<1	1
Zinc	ppm	644	656	853	696
Phosphorus	ppm	511	595	699	602
Barium	ppm	<1	0	0	0
Boron	ppm	1	<1	<1	<1

Depot: AME120OTT

Unique No: 5659368

Signed: Wes Davis

Report Date: 20 Oct 2023

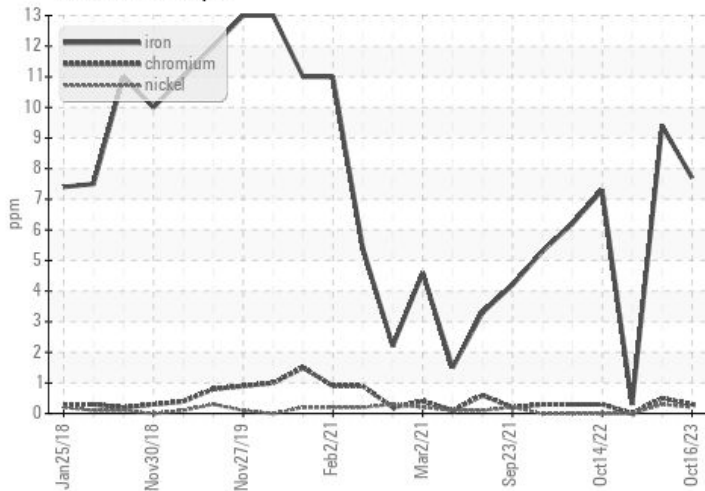
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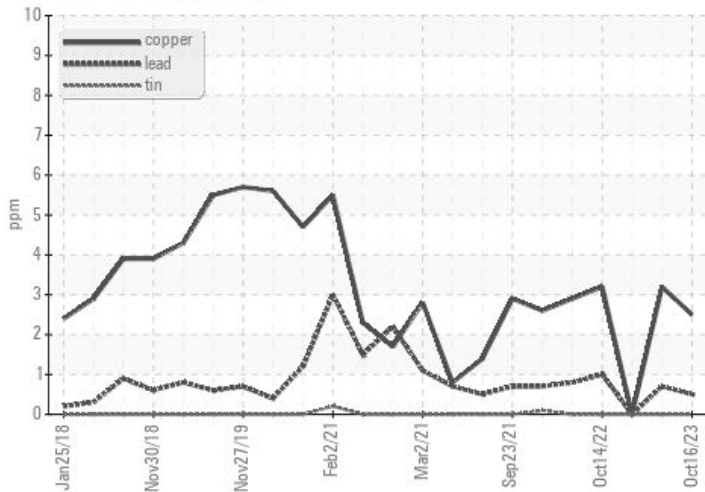


GRAPHS

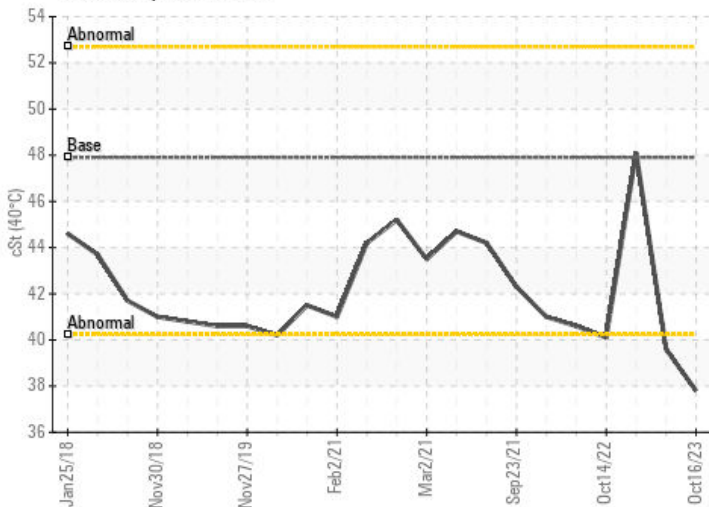
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

