LIEBHERR
CONSTRUCTION EQUIPMENT

145586-1218 - Hydraulic System

Sample No: LH0269262

Oil Type: {unknown}

American Iron and Metal
10305 Metropolitaine Est, Garage porte 13
Montreal, QC
CA H1B 1A1
Contact: Sebastien Liautaud
sliautaud@aimrecyclinggroup.com
T:
F:

SAMPLE INFORMATION

Sample Number		LH0269262	---	---	---
Sample Date		30 Jan 2024	---	---	---
Machine Hours		1000	---	---	---
Oil Hours		0	---	---	---
Oil Changed		N/A	---	---	---
Sample Status		NORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	38.0	---	---	---
Acid Number (AN)	mg KOH/g	0.99	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		7519	---	---	---
Particles >6µm		1839	---	---	---
Particles >14µm		140	---	---	---
ISO 4406:1999 (c)		20/18/14	---	---	---
Silicon	ppm	3	---	---	---
Sodium	ppm	<1	---	---	---
Potassium	ppm	<1	---	---	---

WEAR METALS

Iron	ppm	10	---	---	---
Copper	ppm	3	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	880	---	---	---
Magnesium	ppm	9	---	---	---
Zinc	ppm	647	---	---	---
Phosphorus	ppm	539	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	2	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 10W Low-Ash Natural Gas Engine Oil. Please confirm the oil type and grade, and specify the brand 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: LACMON
Unique No: 5721620
Signed: Bill Quesnel
Report Date: 01 Feb 2024

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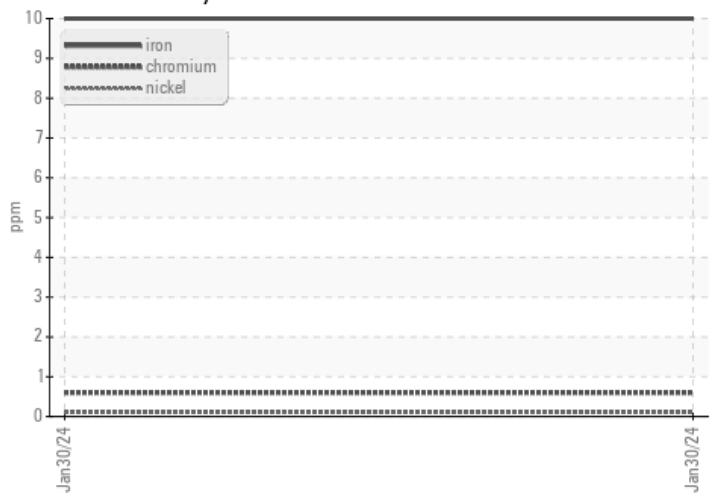
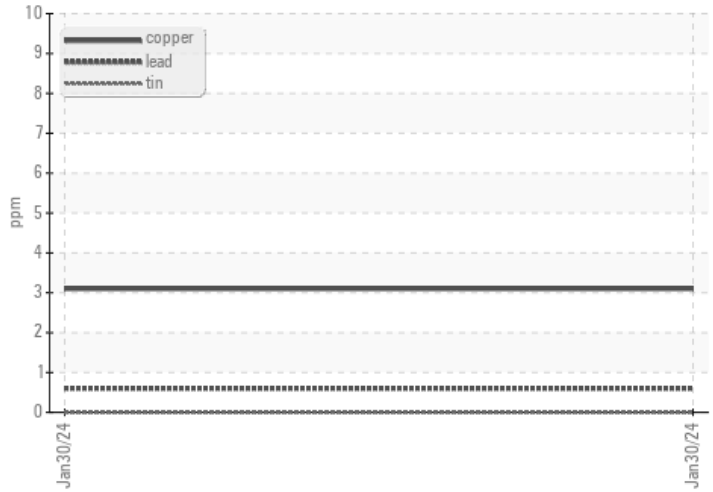
GRAPHS

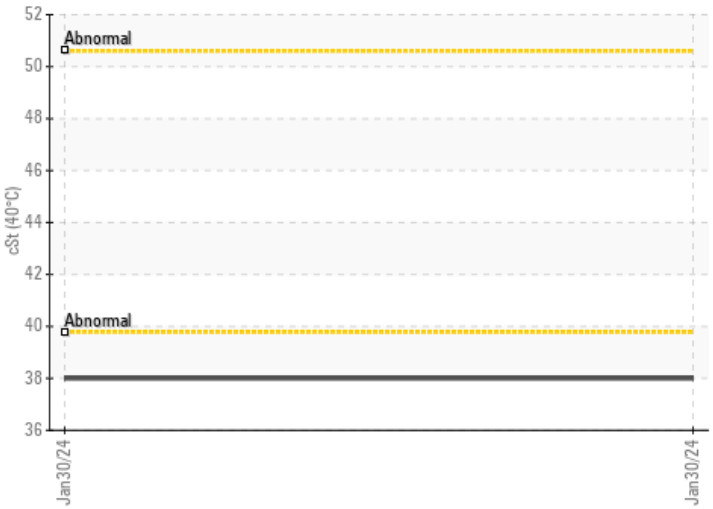
Ferrous Alloys



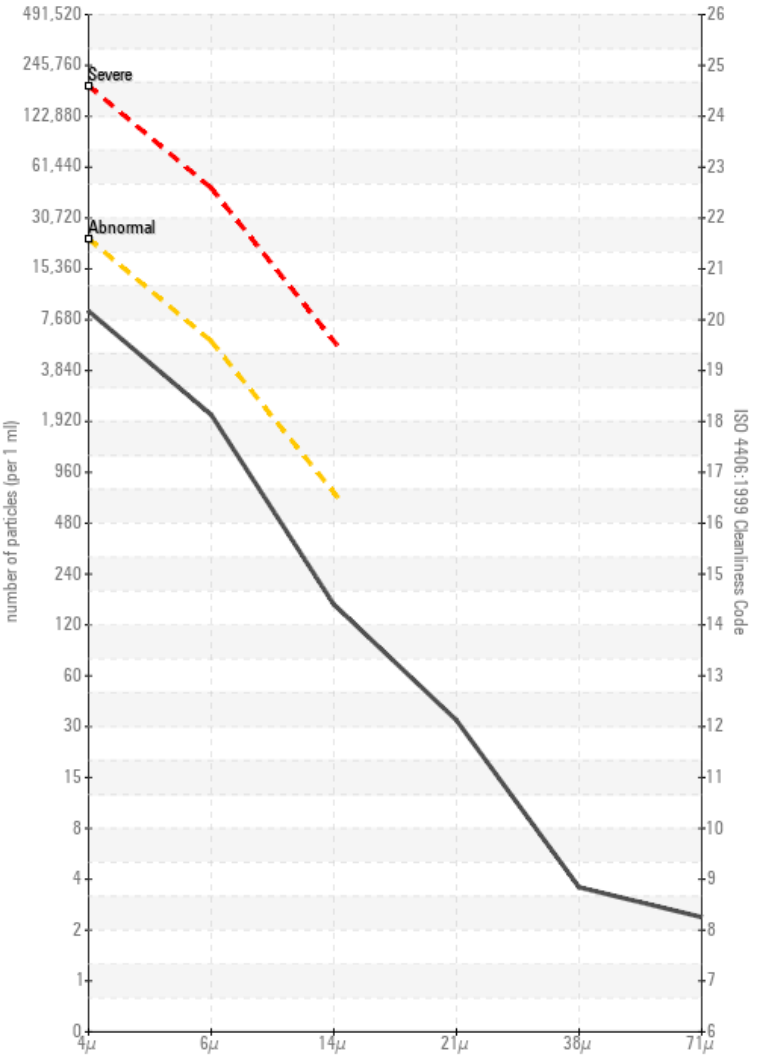
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number