LIEBHERR
CONSTRUCTION EQUIPMENT

LIEBHERR T55-7 024596-1708 - Hydraulic System

Sample No: LH0279341

Oil Type: LIEBHERR HYDRAULIC HVI

RECYCLAGE FREDERICK MORIN
1760 RUE SAINT-CLEOPHAS
SAINT GABRIEL DE BRANDON, QC
CA J0K 2N0
Contact: Service Manager

T:
F:

SAMPLE INFORMATION

Sample Number		**LH0279341**	LH	LH0251015	---
Sample Date		**06 Dec 2023**	15 May 2023	10 Feb 2023	---
Machine Hours		**1412**	0	645	---
Oil Hours		**0**	0	0	---
Oil Changed		**Not Changd**	Not Changd	Not Changd	---
Sample Status		**NORMAL**	NORMAL	NORMAL	---

OIL CONDITION

Visc @ 40°C	cSt	**44.8**	45.6	45.6	---

CONTAMINATION

Water	%	**NEG**	NEG	NEG	---
Particles >4µm		**4532**	5299	15243	---
Particles >6µm		**1403**	462	1456	---
Particles >14µm		**215**	17	72	---
ISO 4406:1999 (c)		**19/18/15**	20/16/11	21/18/13	---
Silicon	ppm	**4**	4	5	---
Sodium	ppm	**1**	<1	<1	---
Potassium	ppm	**<1**	<1	<1	---

WEAR METALS

Iron	ppm	**4**	3	4	---
Copper	ppm	**2**	2	2	---
Lead	ppm	**<1**	<1	<1	---
Tin	ppm	**0**	0	0	---
Aluminum	ppm	**<1**	<1	<1	---
Chromium	ppm	**0**	0	0	---
Molybdenum	ppm	**0**	0	0	---
Nickel	ppm	**<1**	0	0	---
Titanium	ppm	**0**	0	0	---
Silver	ppm	**<1**	0	0	---
Manganese	ppm	**0**	<1	<1	---
Vanadium	ppm	**0**	0	0	---

ADDITIVES

Calcium	ppm	**1036**	1112	1248	---
Magnesium	ppm	**12**	13	15	---
Zinc	ppm	**669**	657	664	---
Phosphorus	ppm	**576**	651	675	---
Barium	ppm	**<1**	0	0	---
Boron	ppm	**1**	1	1	---

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.

Depot: RECSAI
Unique No: 5694973
Signed: Wes Davis
Report Date: 09 Dec 2023

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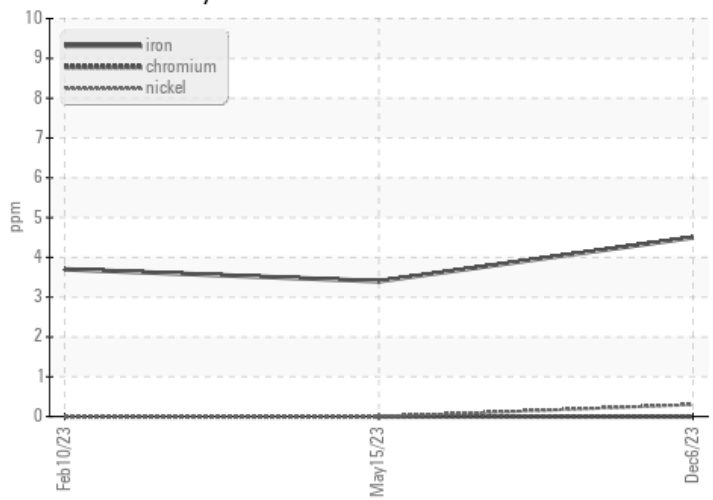
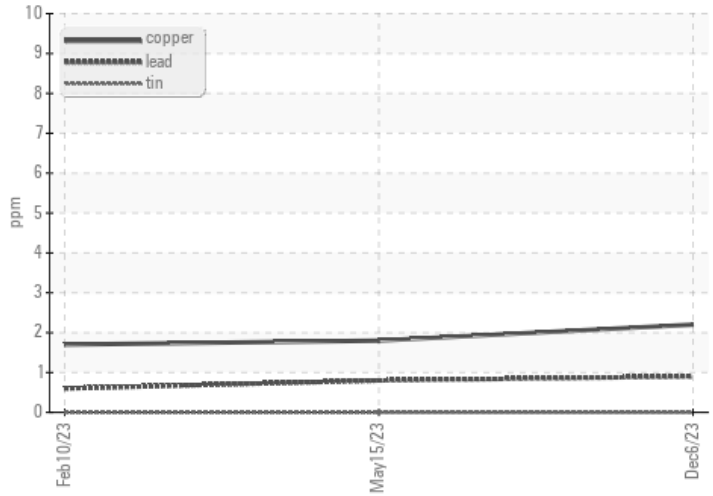
GRAPHS

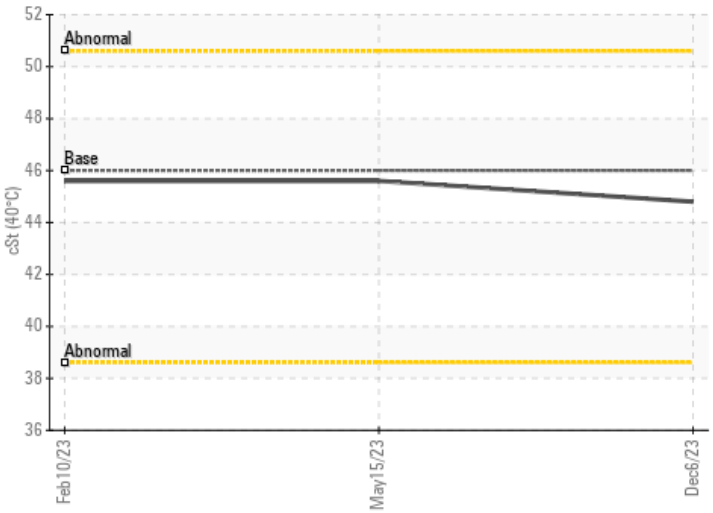
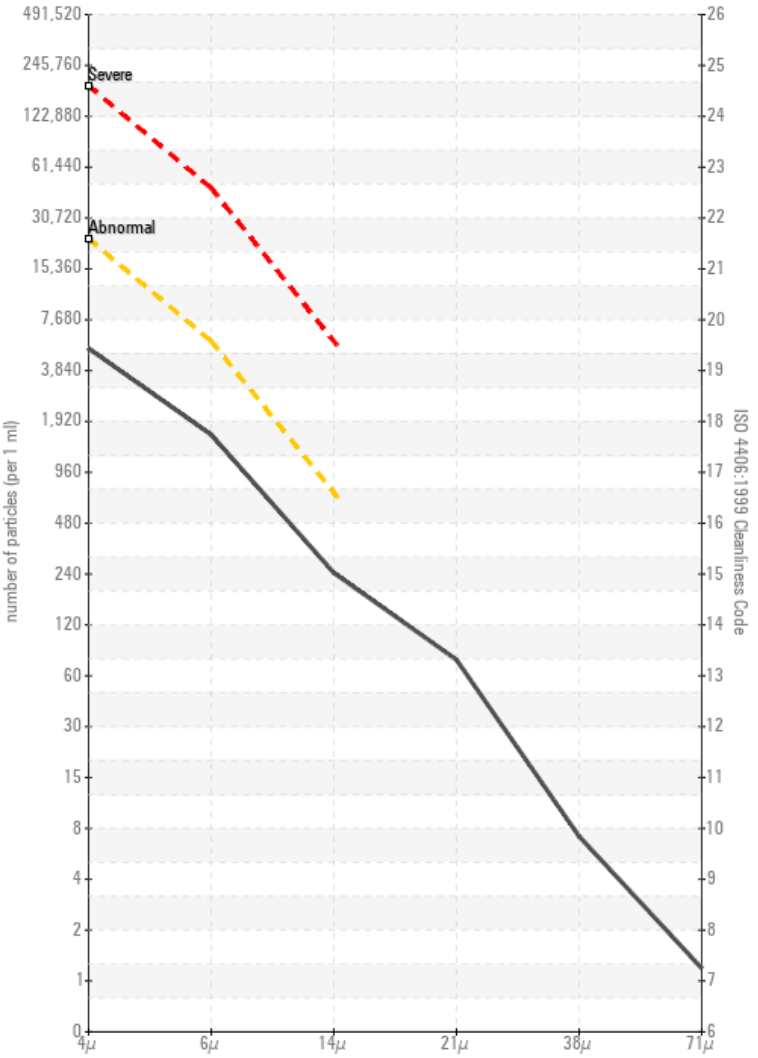
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count