LIEBHERR
CONSTRUCTION EQUIPMENT

LIEBHERR LW3372 - Hydraulic System

Sample No: LH0260626

Oil Type: PETRO CANADA ENVIRON MV 46

SAMPLE INFORMATION

Sample Number		**LH0260626**	LH0240783	LH0185847	---
Sample Date		**12 Jan 2024**	07 Mar 2023	13 Mar 2021	---
Machine Hours		**26525**	25274	22169	---
Oil Hours		**0**	0	0	---
Oil Changed		**Not Changd**	Not Changd	Not Changd	---
Sample Status		**NORMAL**	ATTENTION	ATTENTION	---

OIL CONDITION

Visc @ 40°C	cSt	**40.5**	41.1	41.0	---

CONTAMINATION

Water	%	**NEG**	NEG	NEG	---
Particles >4µm		**4723**	9908	6433	---
Particles >6µm		**398**	985	271	---
Particles >14µm		**37**	57	10	---
ISO 4406:1999 (c)		**19/16/12**	20/17/13	20/15/10	---
Silicon	ppm	**<1**	<1	<1	---
Sodium	ppm	**0**	<1	<1	---
Potassium	ppm	**<1**	0	0	---

WEAR METALS

Iron	ppm	**7**	4	3	---
Copper	ppm	**<1**	<1	<1	---
Lead	ppm	**<1**	0	0	---
Tin	ppm	**0**	0	0	---
Aluminum	ppm	**1**	<1	<1	---
Chromium	ppm	**1**	<1	<1	---
Molybdenum	ppm	**0**	<1	<1	---
Nickel	ppm	**<1**	<1	0	---
Titanium	ppm	**0**	0	0	---
Silver	ppm	**0**	0	<1	---
Manganese	ppm	**0**	0	0	---
Vanadium	ppm	**0**	0	0	---

ADDITIVES

Calcium	ppm	**22**	20	27	---
Magnesium	ppm	**2**	2	6	---
Zinc	ppm	**15**	18	31	---
Phosphorus	ppm	**621**	674	605	---
Barium	ppm	**0**	0	0	---
Boron	ppm	**<1**	<1	2	---

Radius Recycling Canada Ltd.
12195 Musqueam Dr.
Surrey, BC
CA V3V 3T2
Contact: Chris Trinkunas
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T:
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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: AMISUR
Unique No: 5735506
Signed: Wes Davis
Report Date: 28 Feb 2024

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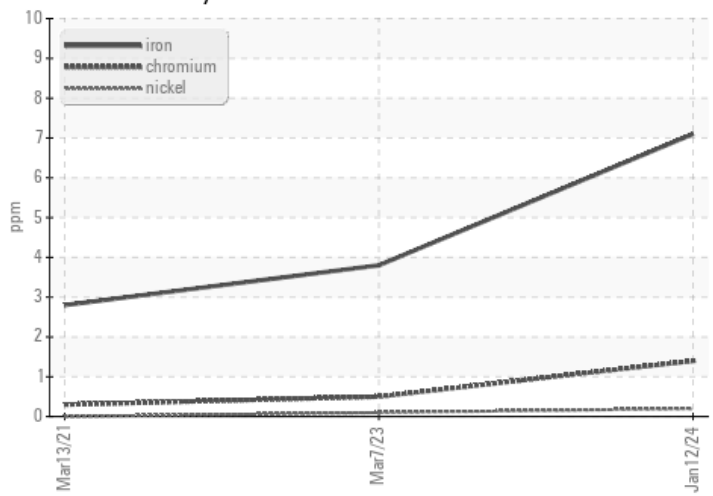
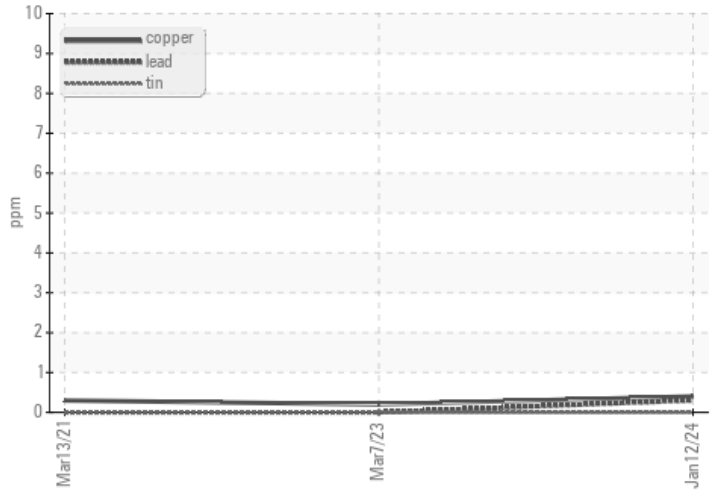
GRAPHS

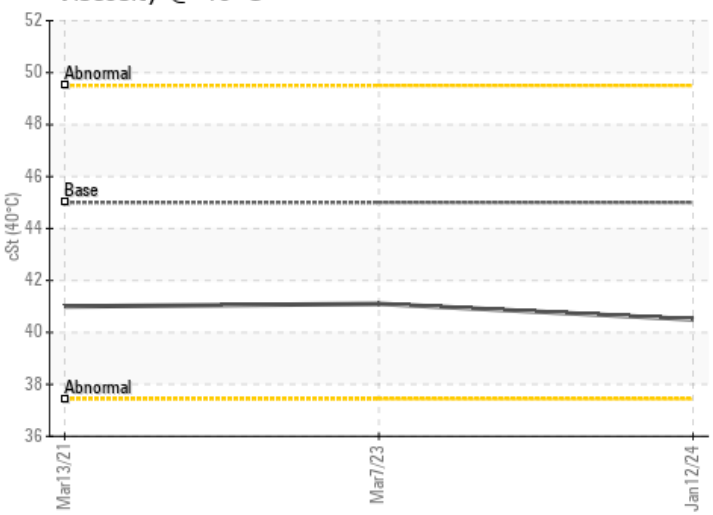
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count