



CONSTRUCTION EQUIPMENT

GFL 8-387321 VOLVO L90H 624665 - HYDRAULIC SYSTEM



Sample No: VCP380054

Oil Type: NOT GIVEN

Job No: 8-387321



SAMPLE INFORMATION

Sample Number	VCP380054	VCP280548	---	---
Sample Date	13 Dec 2023	14 May 2021	---	---
Machine Hours	8116	4031	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD
MISSISSAUGA, ON
CA L4W 4L4

Contact: Janice Cripps
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F: (905)670-2338



OIL CONDITION

Visc @ 40°C	cSt	32.9	37.4	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		18796	6852	---	---
Particles >6µm		▲ 4196	■ 2172	---	---
Particles >14µm		▲ 223	▲ 235	---	---
ISO 4406:1999 (c)		21/19/15	20/18/15	---	---
Silicon	ppm	■ 6	■ 3	---	---
Sodium	ppm	■ 5	■ 2	---	---
Potassium	ppm	■ 1	■ 1	---	---



WEAR METALS

Iron	ppm	■ 12	■ 5	---	---
Copper	ppm	■ 2	■ 2	---	---
Lead	ppm	■ <1	■ 1	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	■ 2	■ <1	---	---
Chromium	ppm	■ 4	■ 3	---	---
Molybdenum	ppm	0	3	---	---
Nickel	ppm	■ <1	■ <1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	<1	<1	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	91	375	---	---
Magnesium	ppm	5	50	---	---
Zinc	ppm	437	551	---	---
Phosphorus	ppm	339	440	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	2	25	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is ISO 32 AW Hydraulic 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. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot: SHEMIS
Unique No: 5696950
Signed: Kevin Marson
Report Date: 19 Dec 2023

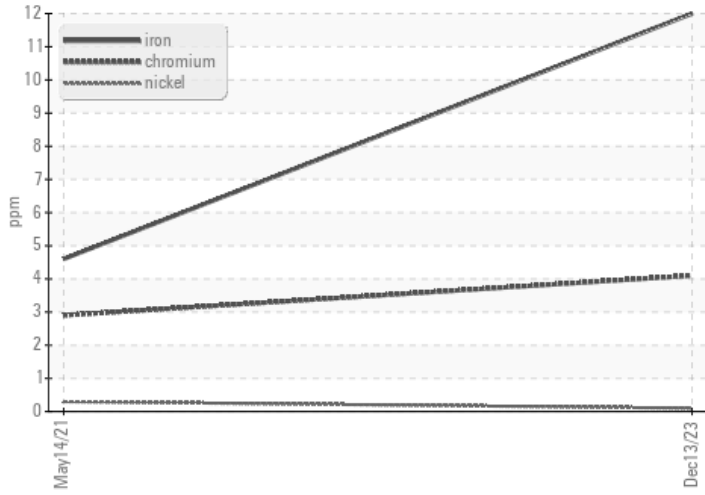


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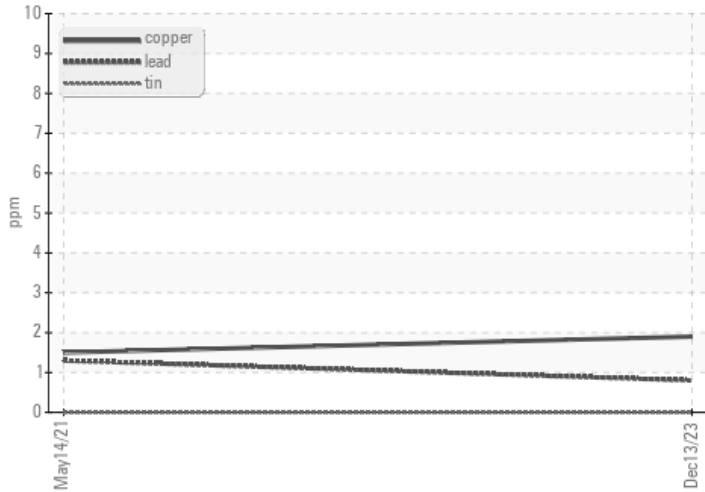


GRAPHS

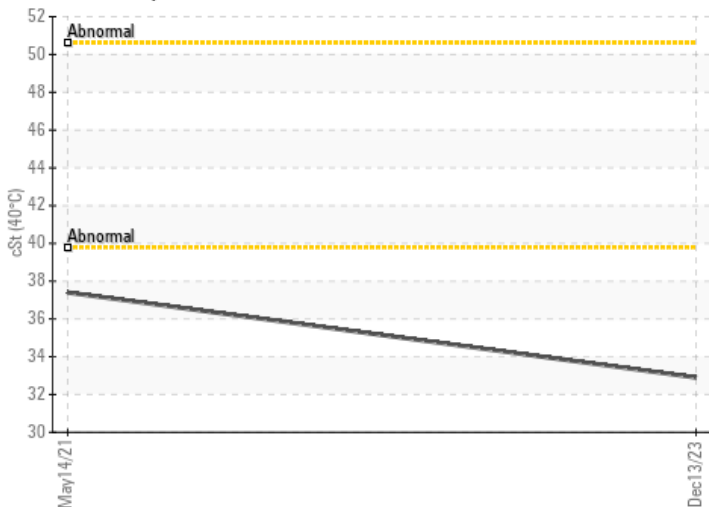
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



▲ Particle Count

