



CONSTRUCTION EQUIPMENT

19161 GFL VOLVO L120F 66421 - HYDRAULIC SYSTEM



Sample No: VCP417739
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 19161 GFL



117 - ASCENDUM MACHINERY INC - GREENVILLE
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 GREENVILLE, NC
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SAMPLE INFORMATION

Sample Number	VCP417739	---	---	---
Sample Date	24 Jul 2023	---	---	---
Machine Hours	25708	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 45.5	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.43	---	---	---



CONTAMINATION

Water	%	▲ 0.325	---	---	---
Particles >4µm		█ 2262	---	---	---
Particles >6µm		█ 1231	---	---	---
Particles >14µm		▲ 210	---	---	---
ISO 4406:1999 (c)		18/17/15	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ <1	---	---	---



WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 75	---	---	---
Magnesium	ppm	█ 22	---	---	---
Zinc	ppm	█ 437	---	---	---
Phosphorus	ppm	█ 332	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Diagnosis

We advise that you check for the source of water entry. We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. Appearance is milky. There is a moderate amount of particulates present in the oil. There is a moderate concentration of water present in the oil. The AN level is acceptable for this fluid.

Depot: VOLVO8769
Unique No: 10587197
Signed: Jonathan Hester
Report Date: 09 Aug 2023

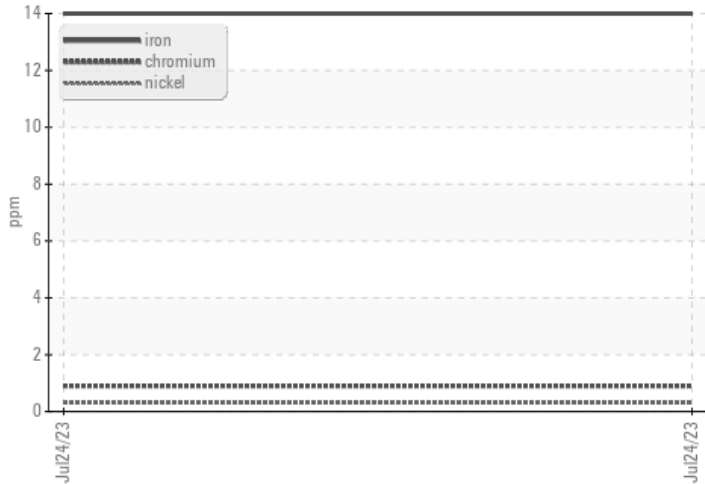


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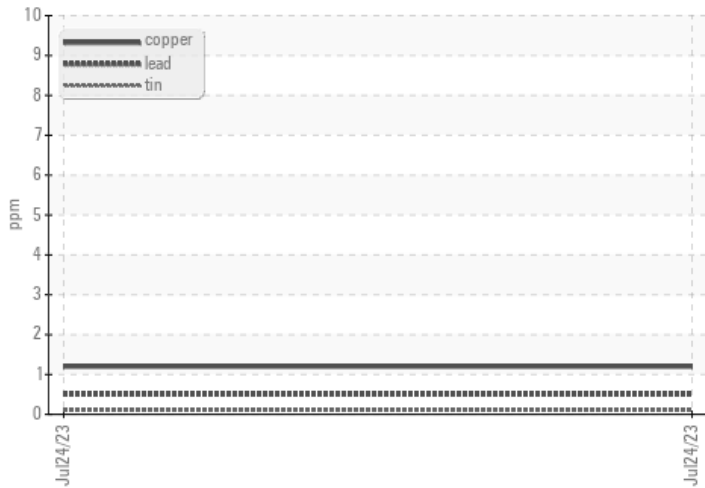


GRAPHS

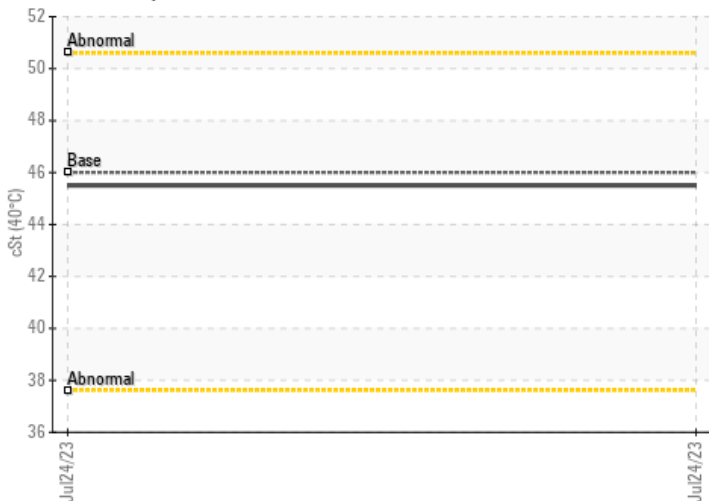
Ferrous Alloys



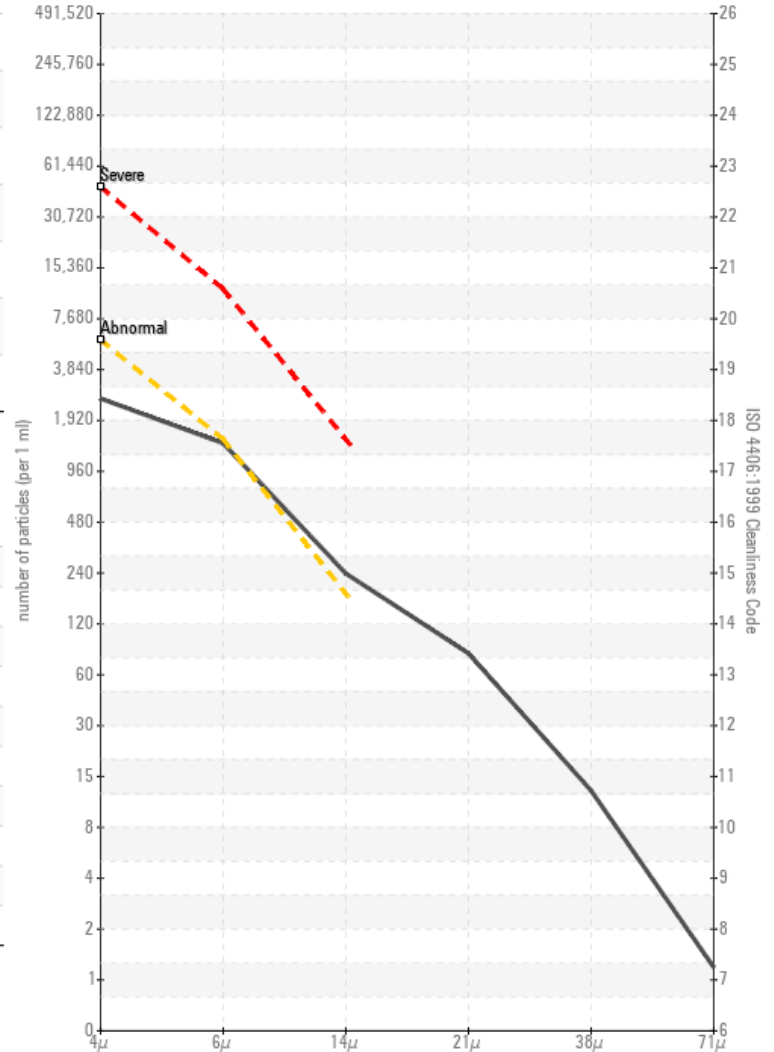
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

