



CONSTRUCTION EQUIPMENT

SPM620785 GFL VOLVO L120F 25722 - HYDRAULIC SYSTEM



Sample No: VCP428716
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM620785 GFL



SAMPLE INFORMATION

Sample Number	VCP428716	VCP303589	---	---
Sample Date	21 Oct 2023	18 Mar 2021	---	---
Machine Hours	18044	15917	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	44.5	43.5	---	---
Acid Number (AN)	mg KOH/g	0.27	0.345	---	---



CONTAMINATION

Particles >4µm		40148	16514	---	---
Particles >6µm		5996	1817	---	---
Particles >14µm		94	31	---	---
ISO 4406:1999 (c)		23/20/14	21/18/12	---	---
Silicon	ppm	1	<1	---	---
Sodium	ppm	0	0	---	---
Potassium	ppm	2	0	---	---

Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

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



ADDITIVES

Calcium	ppm	96	60	---	---
Magnesium	ppm	13	0	---	---
Zinc	ppm	429	384	---	---
Phosphorus	ppm	345	256	---	---
Barium	ppm	0	0	---	---
Boron	ppm	2	<1	---	---

Depot: VOLVO5023
Unique No: 10714239
Signed: Wes Davis
Report Date: 30 Oct 2023

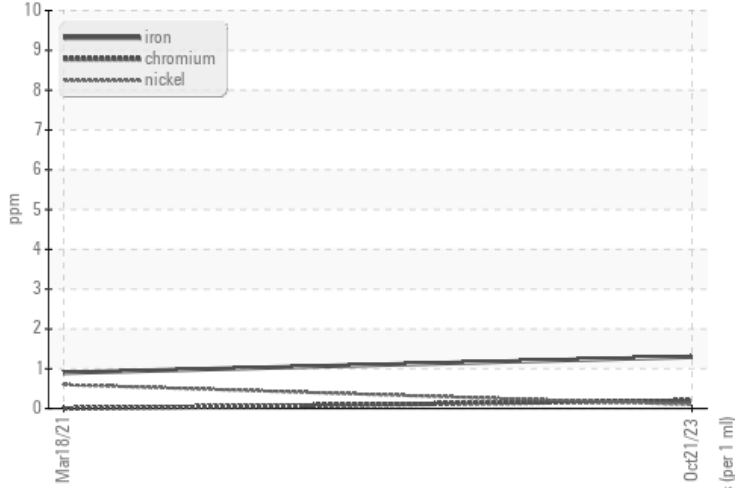


CONSTRUCTION EQUIPMENT

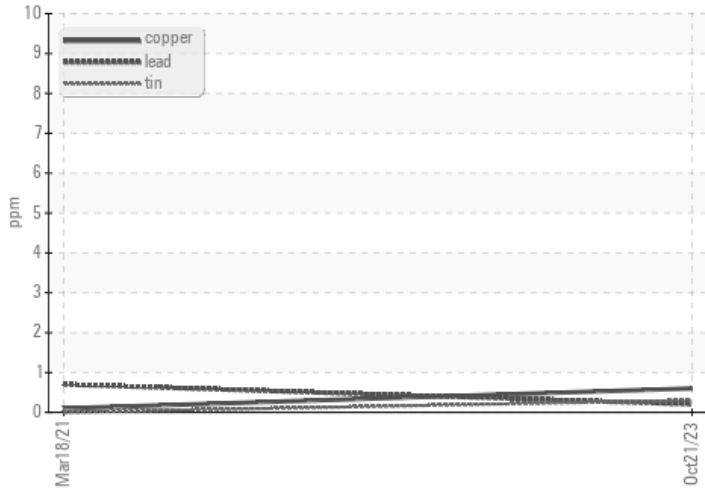


GRAPHS

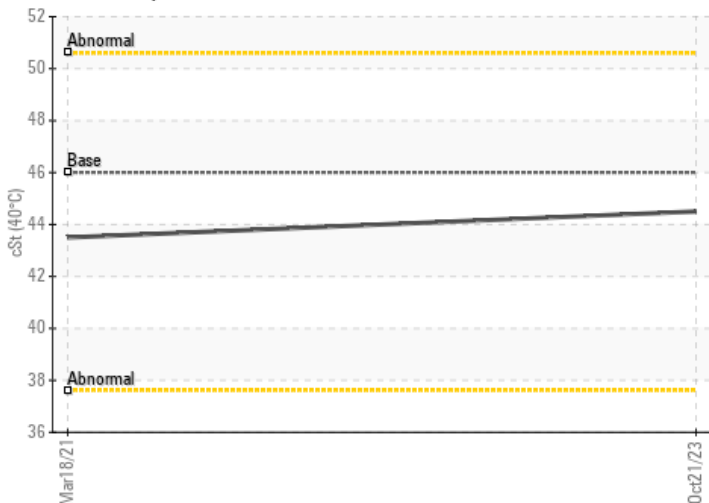
Ferrous Alloys



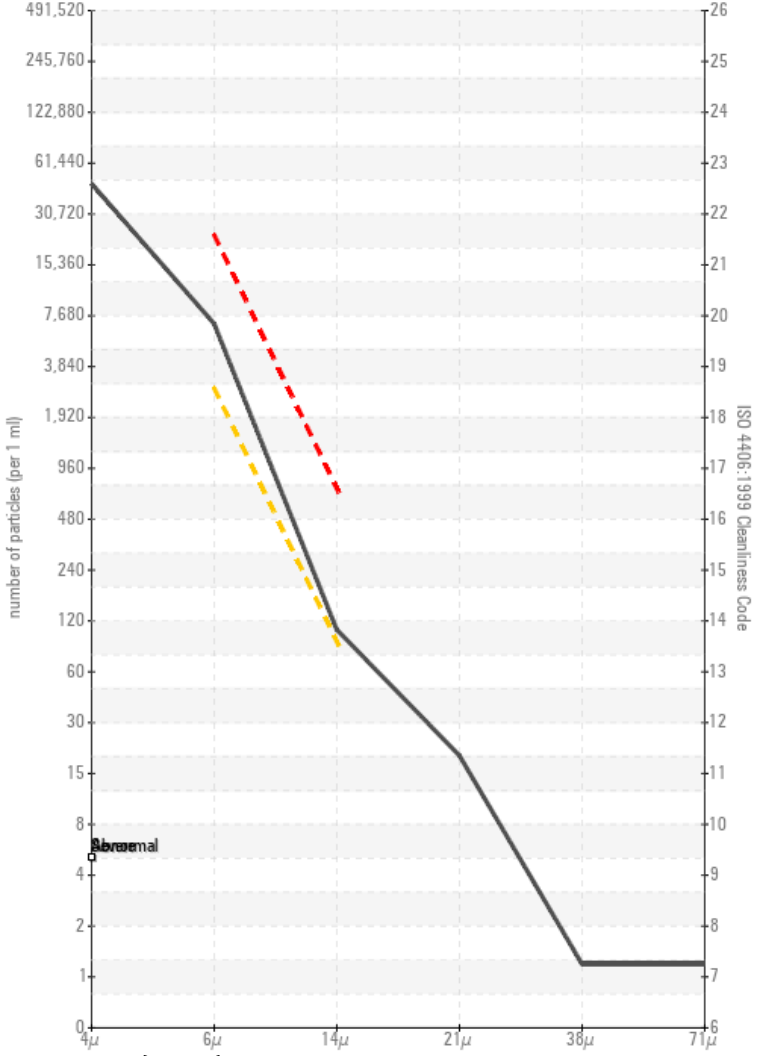
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

