



CONSTRUCTION EQUIPMENT

VOLVO L70H 624677 - HYDRAULIC SYSTEM



Sample No: VCP411221
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP411221	---	---	---
Sample Date	23 Oct 2023	---	---	---
Machine Hours	1880	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

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 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
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 T:
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OIL CONDITION

Visc @ 40°C	cSt	▲ 54.0	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.32	---	---	---



CONTAMINATION

Particles >4µm		▲ 5646	---	---	---
Particles >6µm		■ 838	---	---	---
Particles >14µm		■ 95	---	---	---
ISO 4406:1999 (c)		20/17/14	---	---	---
Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 1	---	---	---

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The oil viscosity is higher than normal. The AN level is acceptable for this fluid.



WEAR METALS

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



ADDITIVES

Calcium	ppm	■ 61	---	---	---
Magnesium	ppm	■ <1	---	---	---
Zinc	ppm	■ 446	---	---	---
Phosphorus	ppm	■ 345	---	---	---
Barium	ppm	■ 3	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO0090
Unique No: 10711755
Signed: Don Baldrige
Report Date: 27 Oct 2023

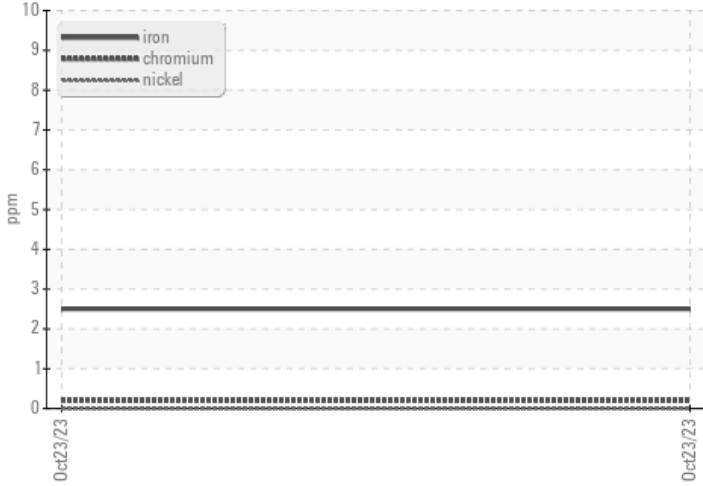


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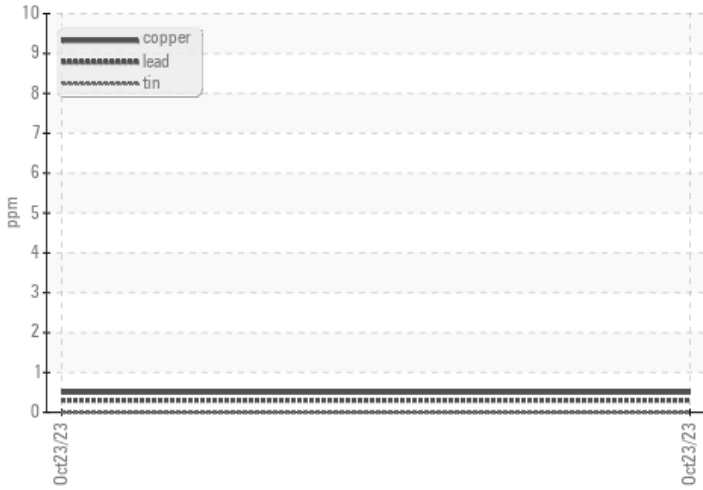


VOLVO GRAPHS

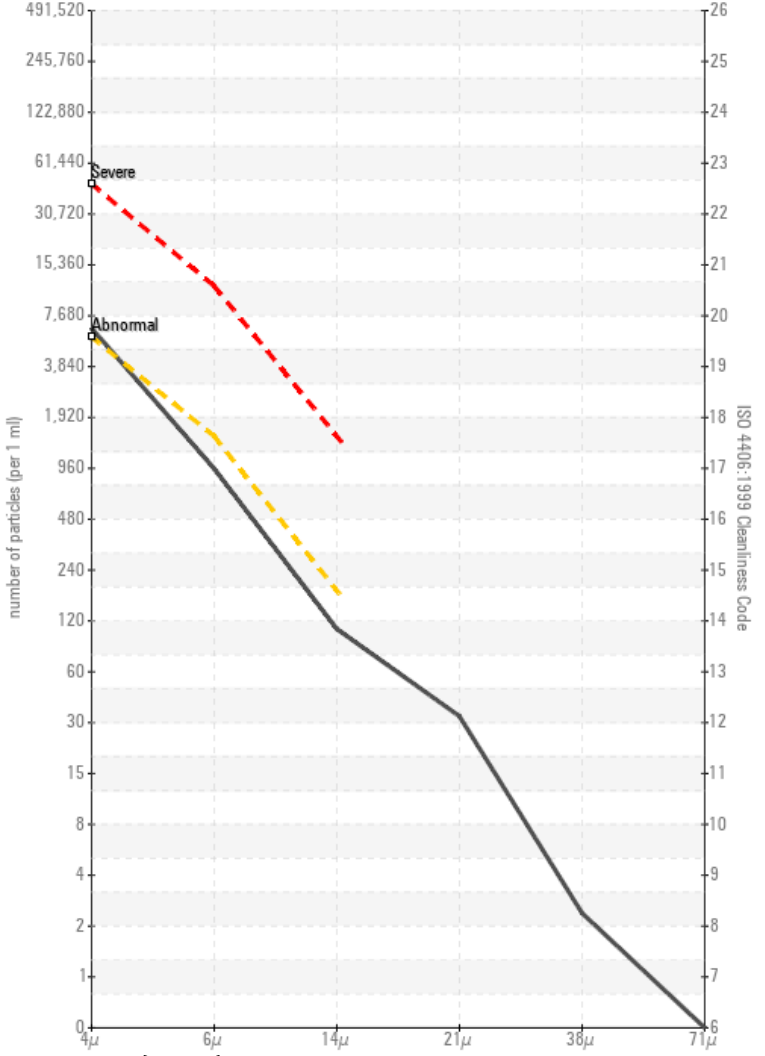
Ferrous Alloys



Non-ferrous Metals



Particle Count



ISO 4406:1999 Cleanliness Code

Viscosity @ 40°C



Acid Number

