



CONSTRUCTION EQUIPMENT

TRIPLE M METAL LP 392282 VOLVO EC480 315055 - HYDRAULIC SYSTEM



Sample No: VCP450286
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 392282



SAMPLE INFORMATION

Sample Number	VCP450286	VCP380156	---	---
Sample Date	25 Jan 2024	05 Sep 2023	---	---
Machine Hours	2066	982	---	---
Oil Hours	0	1000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

STRONGCO EQUIPMENT (CE)

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OIL CONDITION

Visc @ 40°C	cSt	45.2	44.6	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		64060	23567	---	---
Particles >6µm		20747	1926	---	---
Particles >14µm		1055	45	---	---
ISO 4406:1999 (c)		23/22/17	22/18/13	---	---
Silicon	ppm	2	2	---	---
Sodium	ppm	<1	<1	---	---
Potassium	ppm	<1	<1	---	---

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 oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	2	3	---	---
Copper	ppm	7	9	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	45	86	---	---
Magnesium	ppm	<1	1	---	---
Zinc	ppm	460	551	---	---
Phosphorus	ppm	374	465	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	<1	---	---

Depot: VOLVO0252
Unique No: 5720945
Signed: Wes Davis
Report Date: 31 Jan 2024

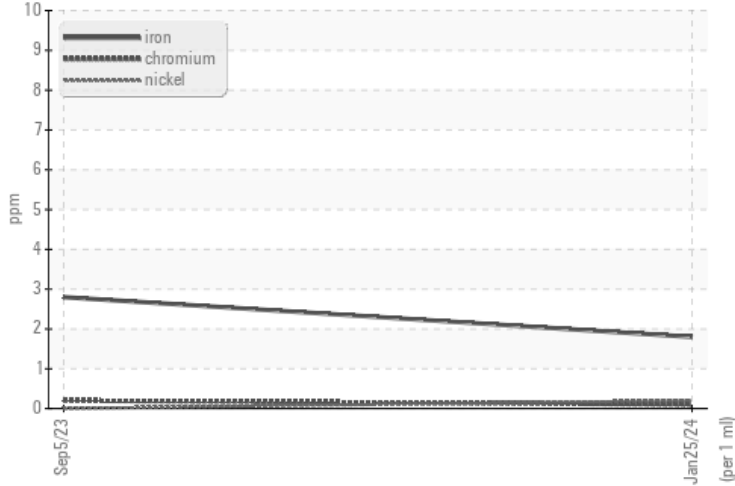


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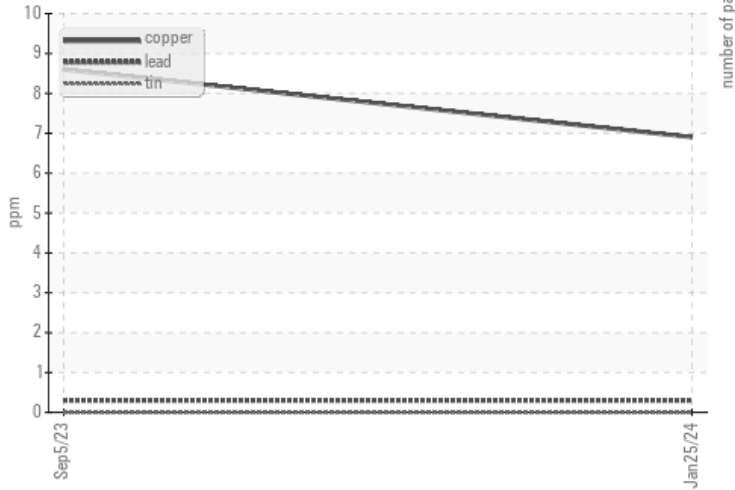


GRAPHS

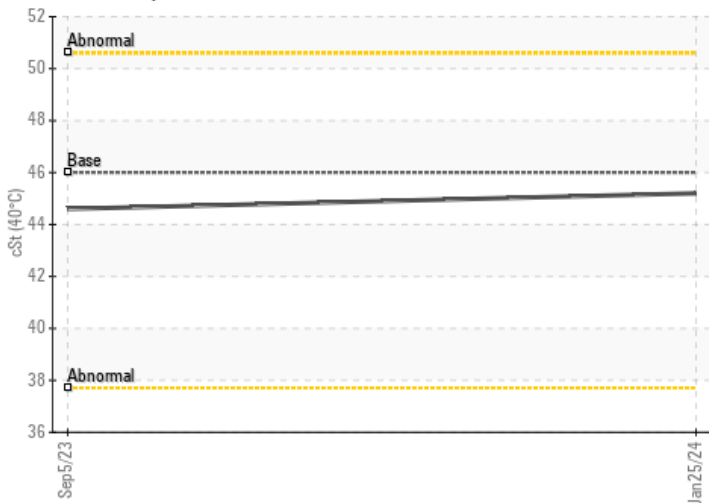
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

