



CONSTRUCTION EQUIPMENT

9640 MULFORD VOLVO A25G 752013 - HYDRAULIC SYSTEM



Sample No: VCP413685
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 9640 MULFORD



SAMPLE INFORMATION

Sample Number	VCP413685	VCP318317	VCP278241	---
Sample Date	16 Sep 2023	19 Oct 2021	02 Oct 2020	---
Machine Hours	4616	2032	463	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	44.0	46.3	47.5	---
Acid Number (AN)	mg KOH/g	0.34	0.433	0.471	---



CONTAMINATION

Particles >4µm		621	875	1435	---
Particles >6µm		194	158	301	---
Particles >14µm		15	12	31	---
ISO 4406:1999 (c)		16/15/11	17/14/11	18/15/12	---
Silicon	ppm	3	2	3	---
Sodium	ppm	2	2	2	---
Potassium	ppm	0	0	<1	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	5	6	4	---
Copper	ppm	2	5	4	---
Lead	ppm	<1	2	2	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	<1	0	---
Manganese	ppm	0	<1	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	63	49	51	---
Magnesium	ppm	6	<1	<1	---
Zinc	ppm	406	430	456	---
Phosphorus	ppm	330	349	365	---
Barium	ppm	1	0	0	---
Boron	ppm	0	4	0	---

Depot: VOLV00150
Unique No: 10695507
Signed: Wes Davis
Report Date: 16 Oct 2023

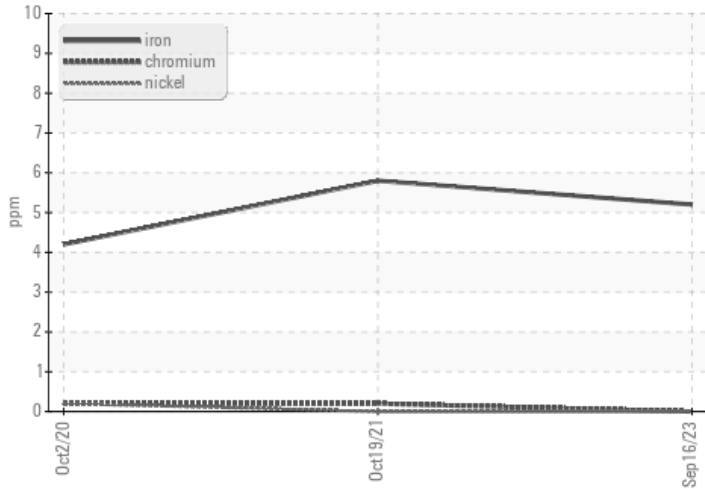


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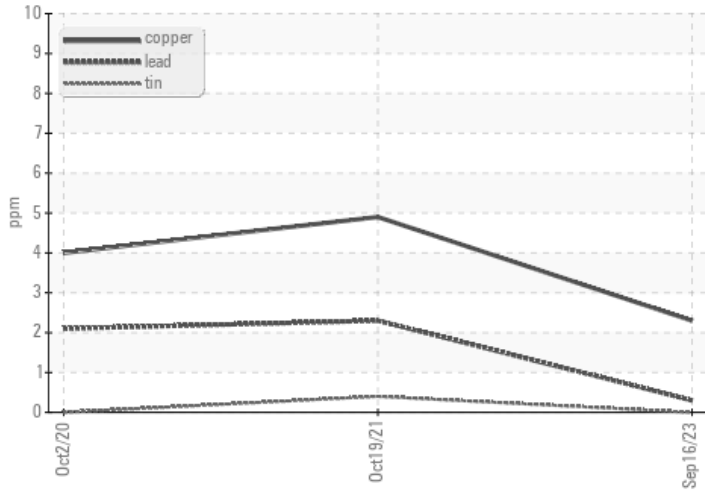


GRAPHS

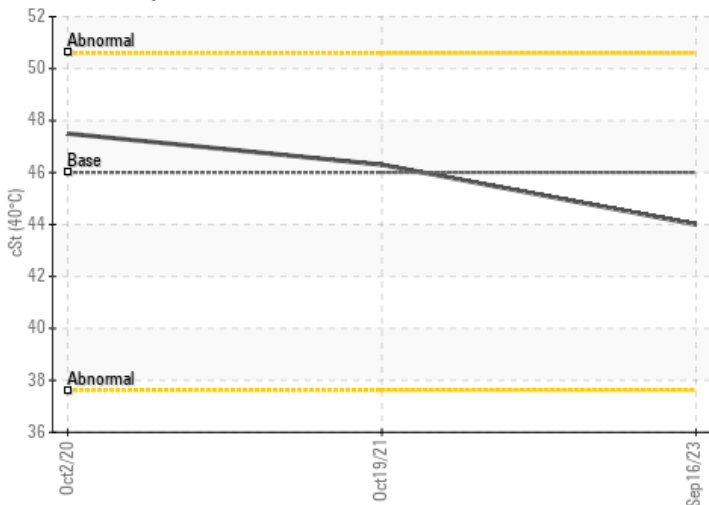
Ferrous Alloys



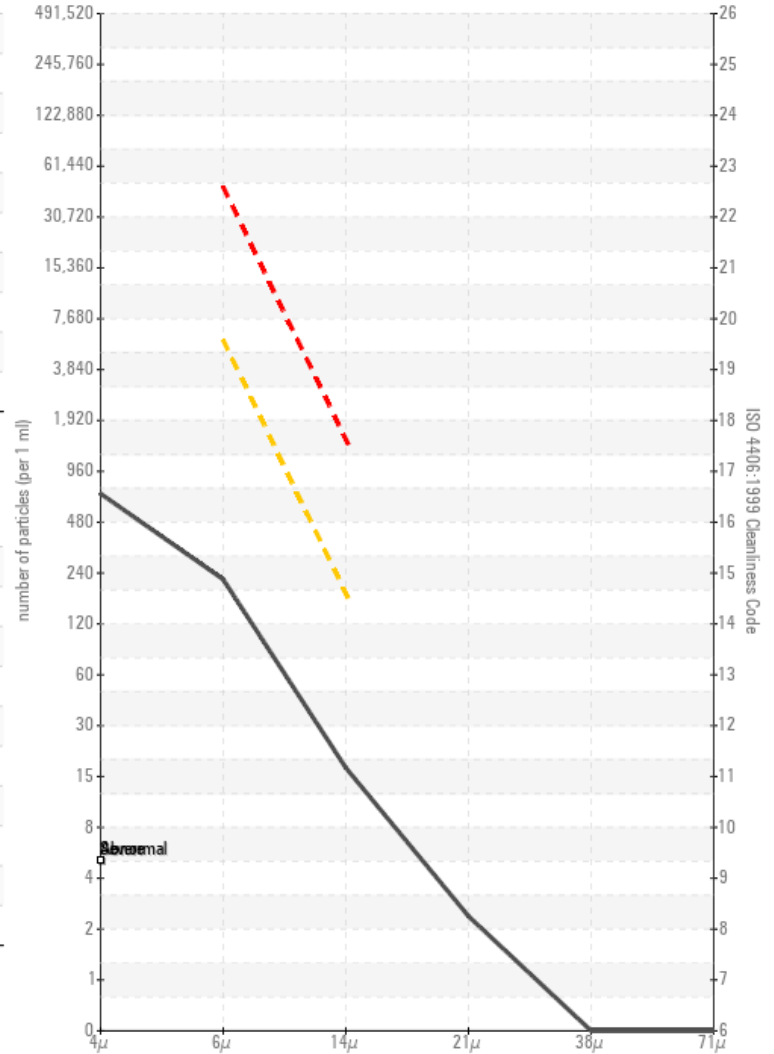
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

