



CONSTRUCTION EQUIPMENT

VOLVO A45G 79 (S/N 342558) - HYDRAULIC SYSTEM



Sample No: VCP06152581
Oil Type: SHELL TELLUS S2 V 68
Job No:



SAMPLE INFORMATION

Sample Number	VCP06152581	VCP396276	---	---
Sample Date	02 Apr 2024	04 Feb 2023	---	---
Machine Hours	0	10737	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	ATTENTION	ATTENTION	---	---

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OIL CONDITION

Visc @ 40°C	cSt	53.0	40.02	---	---
Acid Number (AN)	mg KOH/g	0.32	0.37	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		24326	1092	---	---
Particles >6µm		6088	41	---	---
Particles >14µm		133	0	---	---
ISO 4406:1999 (c)		22/20/14	17/13/7	---	---
Silicon	ppm	2	4	---	---
Sodium	ppm	4	1	---	---
Potassium	ppm	3	2	---	---

Diagnosis
 No corrective action is recommended at this time. 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 lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

WEAR METALS

Iron	ppm	11	28	---	---
Copper	ppm	2	6	---	---
Lead	ppm	1	3	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	<1	0	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	2	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	119	164	---	---
Magnesium	ppm	51	8	---	---
Zinc	ppm	372	429	---	---
Phosphorus	ppm	315	321	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	0	---	---

Depot: JMHMAR
Unique No: 10982659
Signed: Don Baldrige
Report Date: 22 Apr 2024

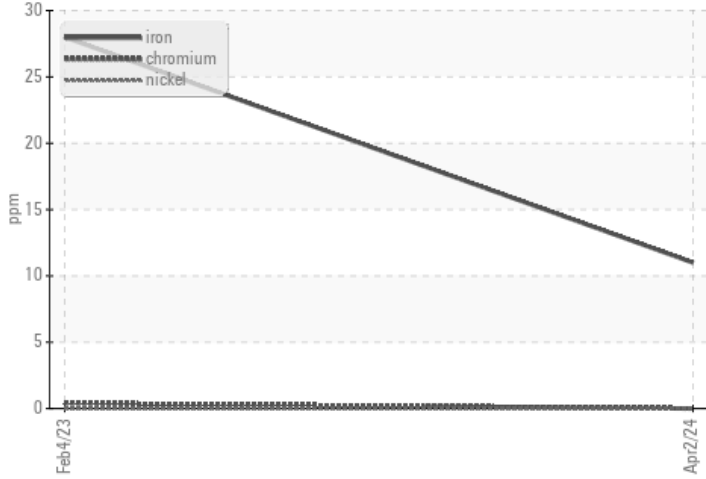


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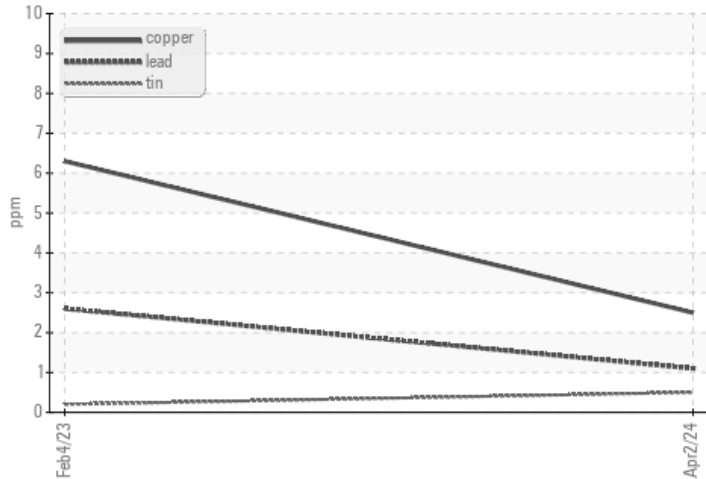


GRAPHS

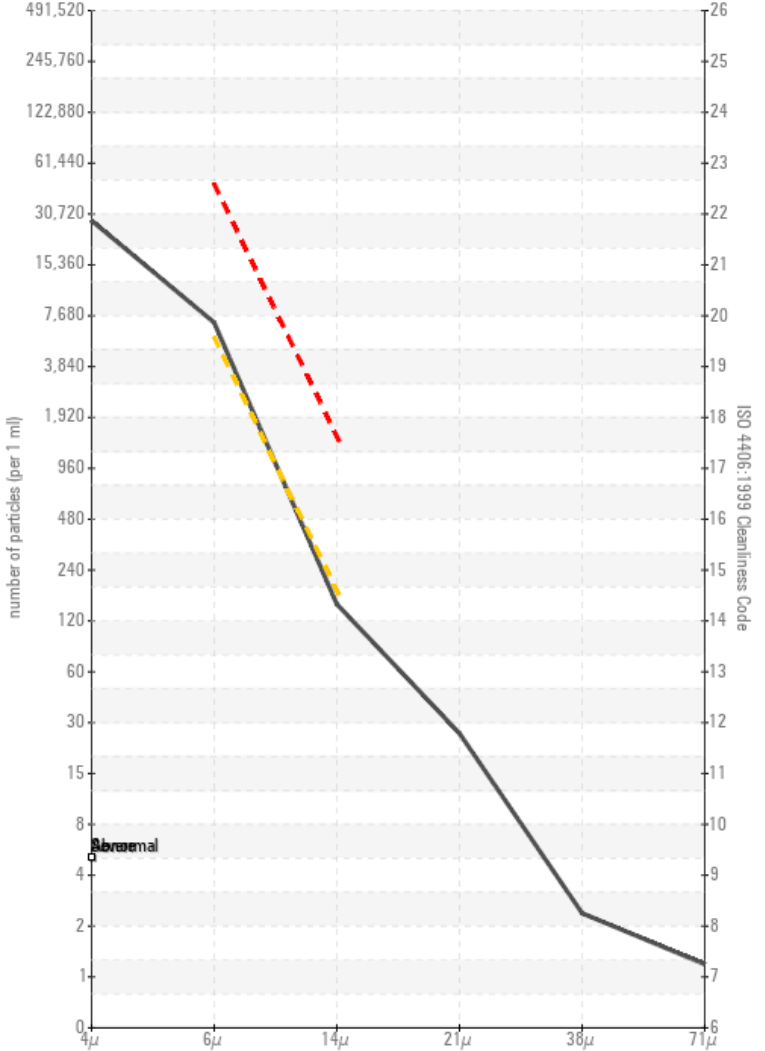
Ferrous Alloys



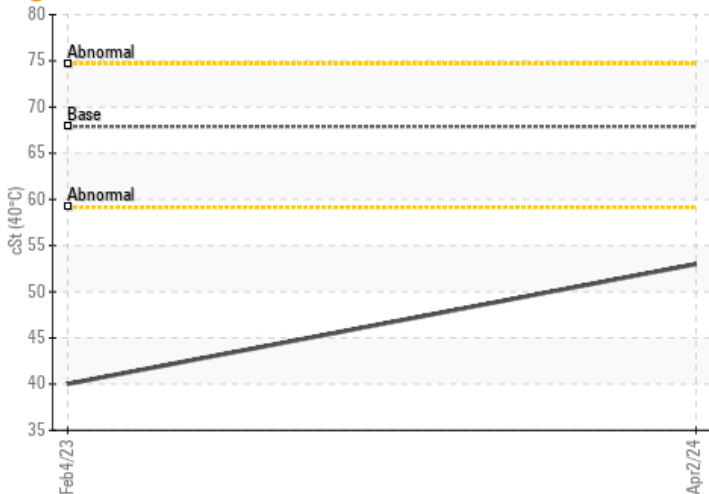
Non-ferrous Metals



Particle Count



Viscosity @ 40°C



Acid Number

