



CONSTRUCTION EQUIPMENT

VULCAN MATERIALS VOLVO A40G 352007 - HYDRAULIC SYSTEM



Sample No: VCP430440
Oil Type: {unknown}
Job No: VULCAN MATERIALS



SAMPLE INFORMATION

Sample Number	VCP430440	---	---	---
Sample Date	01 May 2024	---	---	---
Machine Hours	7553	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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 1231 BRIDGESTONE PARKWAY
 LAVERGNE, TN
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OIL CONDITION

Visc @ 40°C	cSt	█ 44.1	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.31	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 3053	---	---	---
Particles >6µm		█ 415	---	---	---
Particles >14µm		█ 22	---	---	---
ISO 4406:1999 (c)		19/16/12	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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	█ 13	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	491	---	---	---
Magnesium	ppm	8	---	---	---
Zinc	ppm	473	---	---	---
Phosphorus	ppm	381	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: VOLV00129
Unique No: 11009028
Signed: Wes Davis
Report Date: 06 May 2024

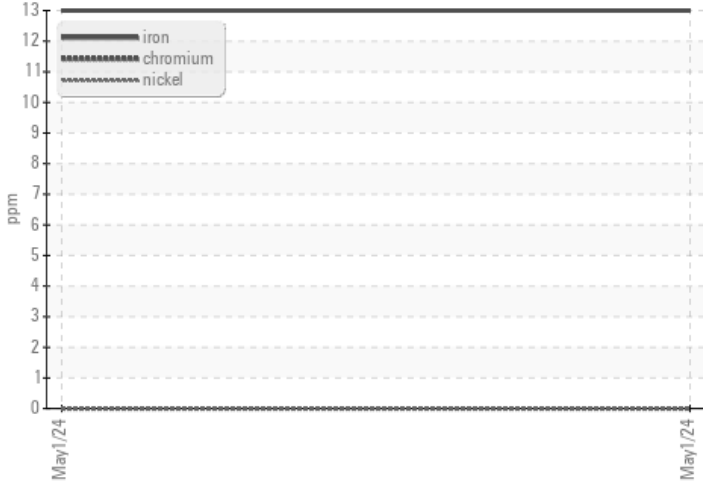


CONSTRUCTION EQUIPMENT

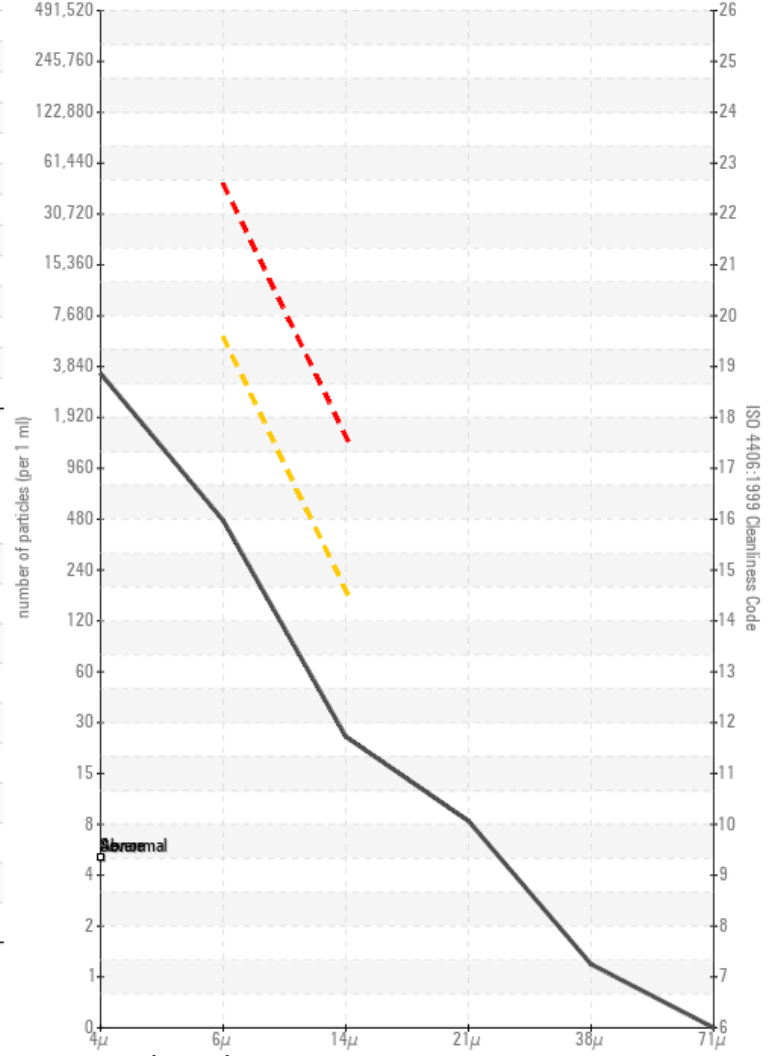


VOLVO GRAPHS

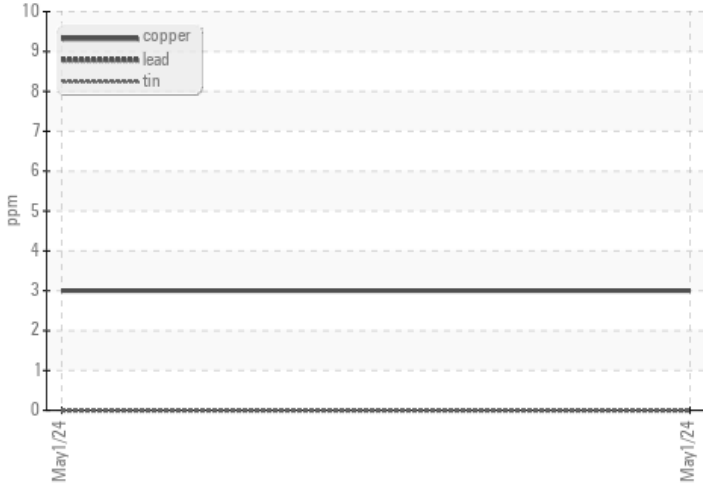
Ferrous Alloys



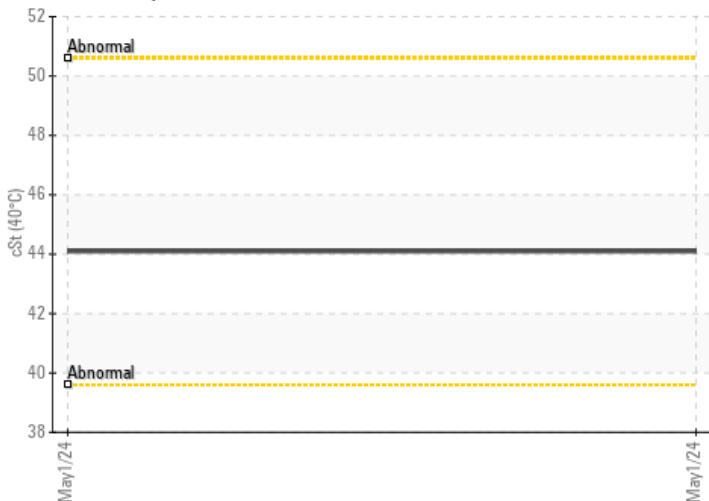
Particle Count



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

