CONSTRUCTION EQUIPMENT

553239 STATEWIDE MAT VOLVO A40 341163 - HYDRAULIC SYSTEM

Sample No: VCP422074
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 553239 STATEWIDE MAT

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SAMPLE INFORMATION

Sample Number		**VCP422074**	VCP314029	---	---
Sample Date		**09 May 2023**	24 May 2021	---	---
Machine Hours		**8920**	7387	---	---
Oil Hours		**0**	0	---	---
Oil Changed		**Not Changd**	Not Changd	---	---
Sample Status		**NORMAL**	ABNORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	**44.1**	43.8	---	---
Acid Number (AN)	mg KOH/g	**0.40**	0.393	---	---

CONTAMINATION

Water	%	**NEG**	NEG	---	---
Particles >4µm		**14289**	---	---	---
Particles >6µm		**2935**	---	---	---
Particles >14µm		**88**	---	---	---
ISO 4406:1999 (c)		**21/19/14**	---	---	---
Silicon	ppm	**4**	7	---	---
Sodium	ppm	**0**	2	---	---
Potassium	ppm	**1**	3	---	---

WEAR METALS

Iron	ppm	**2**	7	---	---
Copper	ppm	**3**	6	---	---
Lead	ppm	**2**	3	---	---
Tin	ppm	**<1**	0	---	---
Aluminum	ppm	**0**	2	---	---
Chromium	ppm	**0**	<1	---	---
Molybdenum	ppm	**6**	<1	---	---
Nickel	ppm	**0**	0	---	---
Titanium	ppm	**0**	<1	---	---
Silver	ppm	**0**	0	---	---
Manganese	ppm	**0**	0	---	---
Vanadium	ppm	**0**	0	---	---

ADDITIVES

Calcium	ppm	**295**	215	---	---
Magnesium	ppm	**13**	8	---	---
Zinc	ppm	**510**	479	---	---
Phosphorus	ppm	**382**	390	---	---
Barium	ppm	**2**	0	---	---
Boron	ppm	**1**	5	---	---

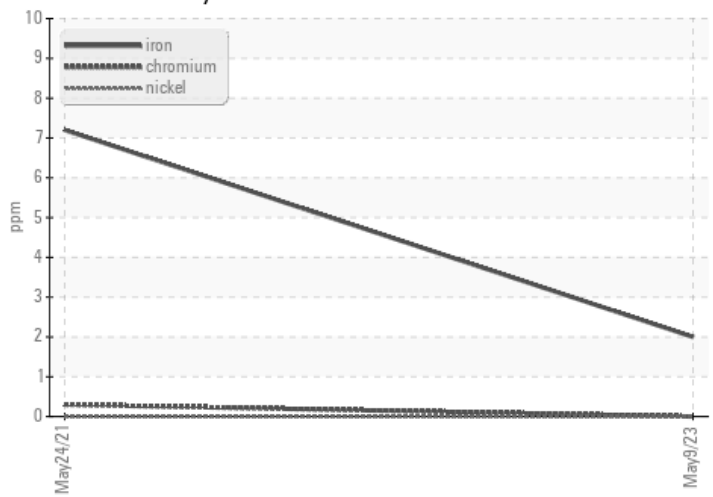
Diagnosis

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.

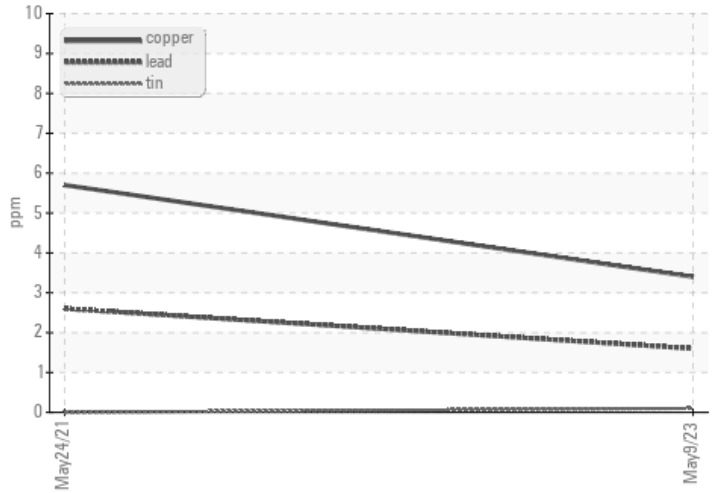
Depot: VOLVO0096
Unique No: 10469549
Signed: Wes Davis
Report Date: 15 May 2023

GRAPHS

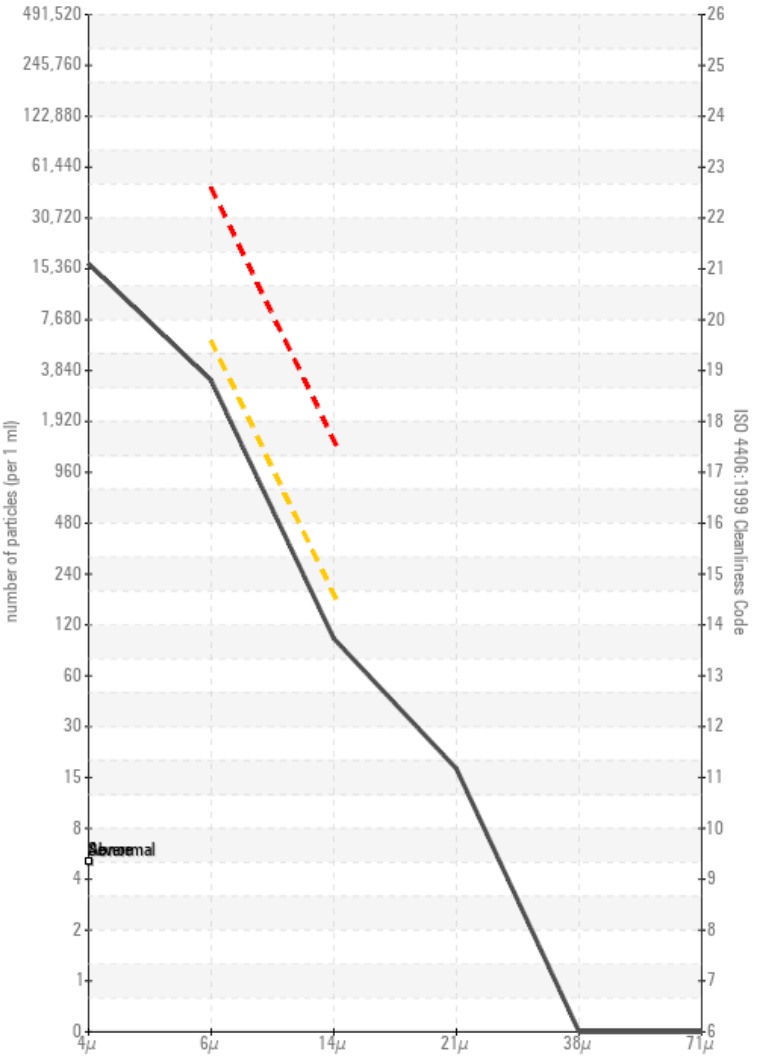
Ferrous Alloys



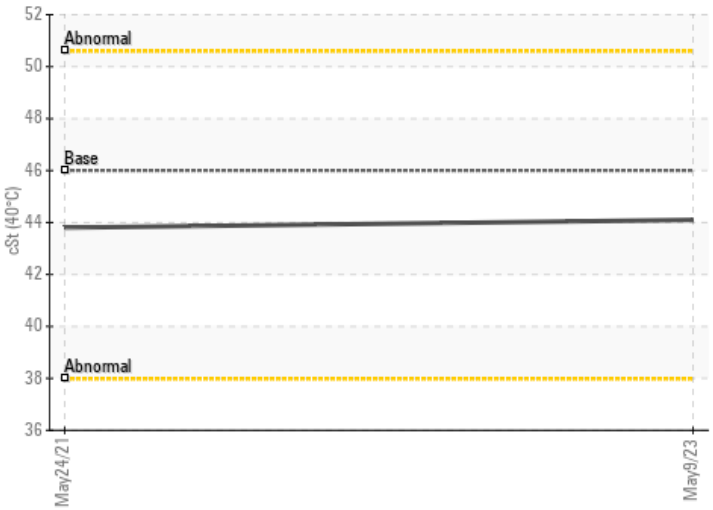
Non-ferrous Metals



Particle Count



Viscosity @ 40°C



Acid Number