



CONSTRUCTION EQUIPMENT

SWO067072 VOLVO A25G 742272 - HYDRAULIC SYSTEM



Sample No: VCP415326
Oil Type: VOLVO DTE 26
Job No: SWO067072



SAMPLE INFORMATION

Sample Number	VCP415326	VCP421005	VCP369851	---
Sample Date	27 Oct 2023	09 Jun 2023	10 Feb 2023	---
Machine Hours	6239	5780	5326	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	44.2	43.9	44.5	---
Acid Number (AN)	mg KOH/g	0.34	0.40	0.35	---



CONTAMINATION

Particles >4µm		2249	856	961	---
Particles >6µm		755	242	277	---
Particles >14µm		81	29	23	---
ISO 4406:1999 (c)		18/17/14	17/15/12	17/15/12	---
Silicon	ppm	5	5	5	---
Sodium	ppm	4	0	0	---
Potassium	ppm	0	2	<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	10	8	8	---
Copper	ppm	5	5	4	---
Lead	ppm	<1	2	2	---
Tin	ppm	1	<1	<1	---
Aluminum	ppm	<1	2	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	0	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	0	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	62	69	64	---
Magnesium	ppm	2	2	2	---
Zinc	ppm	431	473	455	---
Phosphorus	ppm	368	357	349	---
Barium	ppm	19	0	0	---
Boron	ppm	0	0	0	---

Depot: SAIBIR
Unique No: 10722633
Signed: Don Baldrige
Report Date: 01 Nov 2023

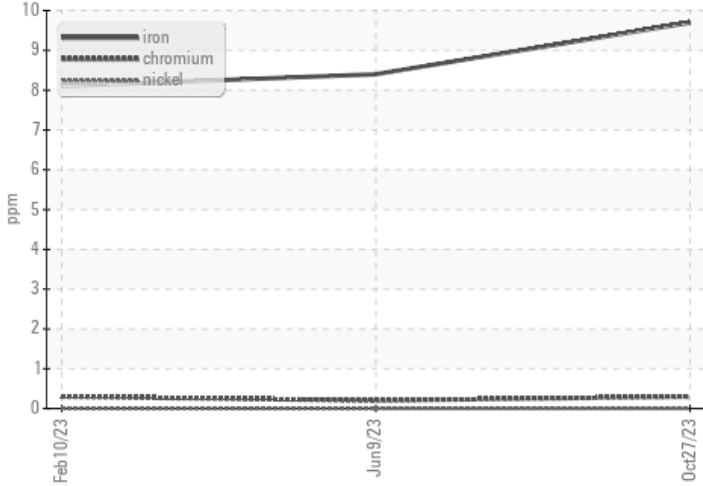


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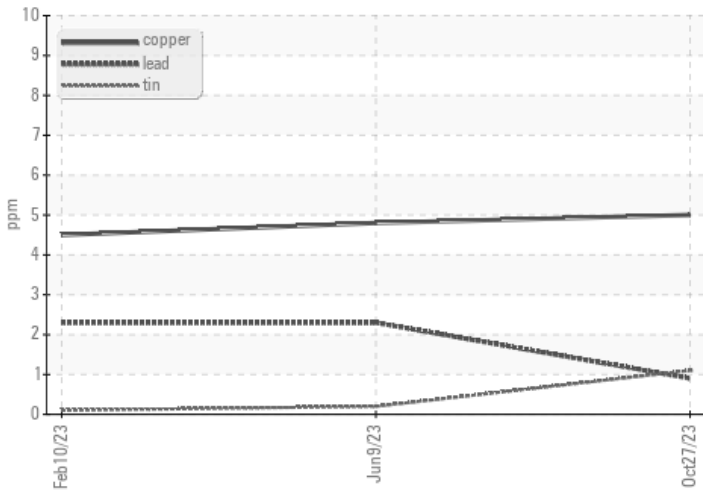


GRAPHS

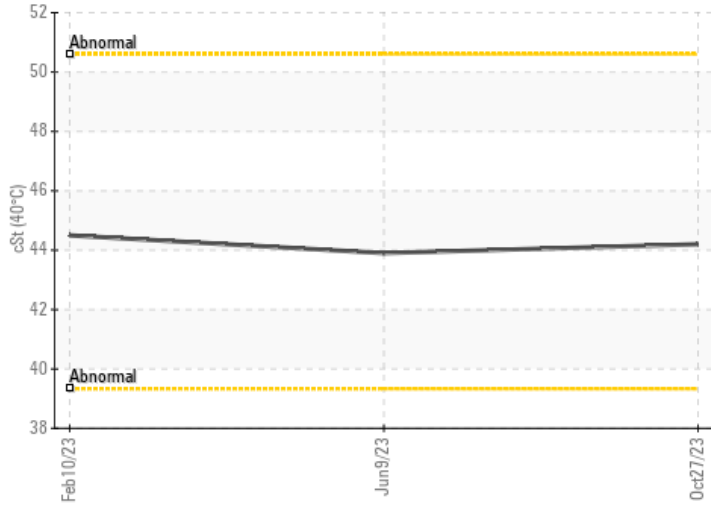
Ferrous Alloys



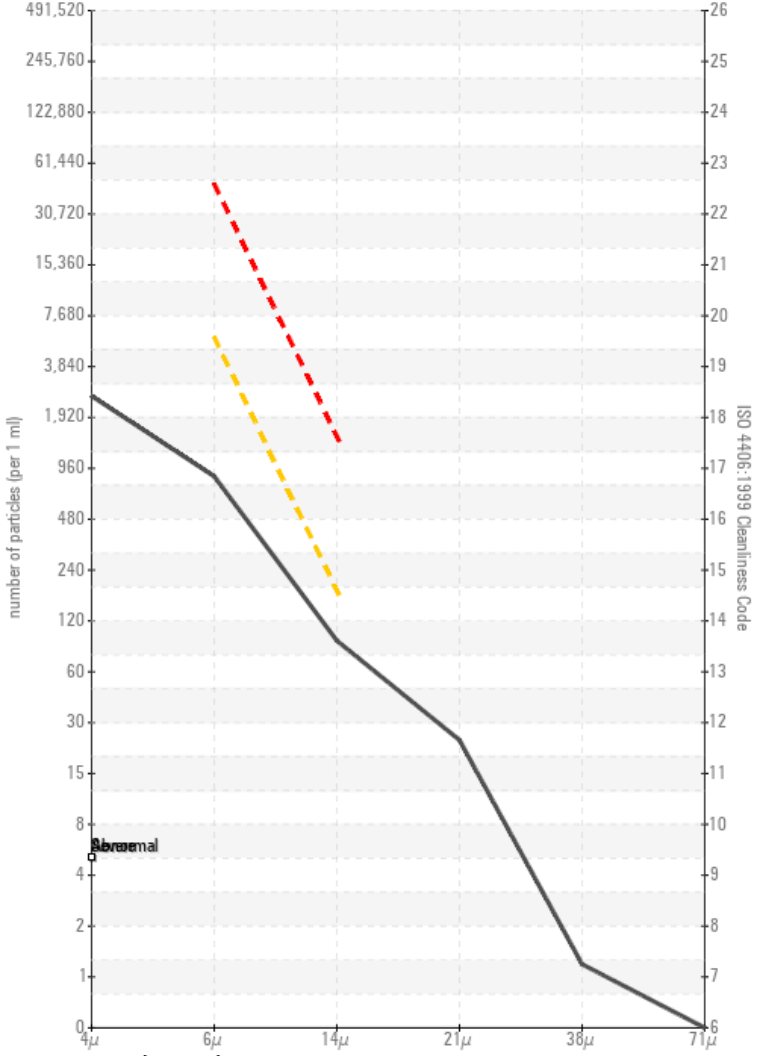
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

