



CONSTRUCTION EQUIPMENT

VOLVO A25G 7523 16 - HYDRAULIC SYSTEM



Sample No: VCP430397
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP430397	VCE118634	---	---
Sample Date	05 Apr 2024	21 Oct 2022	---	---
Machine Hours	5264	2918	---	---
Oil Hours	0	2918	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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 1231 BRIDGESTONE PARKWAY
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OIL CONDITION

Visc @ 40°C	cSt	44.4	42.3	---	---
Acid Number (AN)	mg KOH/g	0.41	0.35	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		6175	5265	---	---
Particles >6µm		360	1214	---	---
Particles >14µm		10	96	---	---
ISO 4406:1999 (c)		20/16/10	20/17/14	---	---
Silicon	ppm	2	5	---	---
Sodium	ppm	2	<1	---	---
Potassium	ppm	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	3	8	---	---
Copper	ppm	<1	4	---	---
Lead	ppm	0	2	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	<1	2	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	82	81	---	---
Magnesium	ppm	<1	2	---	---
Zinc	ppm	425	415	---	---
Phosphorus	ppm	327	320	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	<1	---	---

Depot: VOLV00129
Unique No: 10967796
Signed: Wes Davis
Report Date: 10 Apr 2024

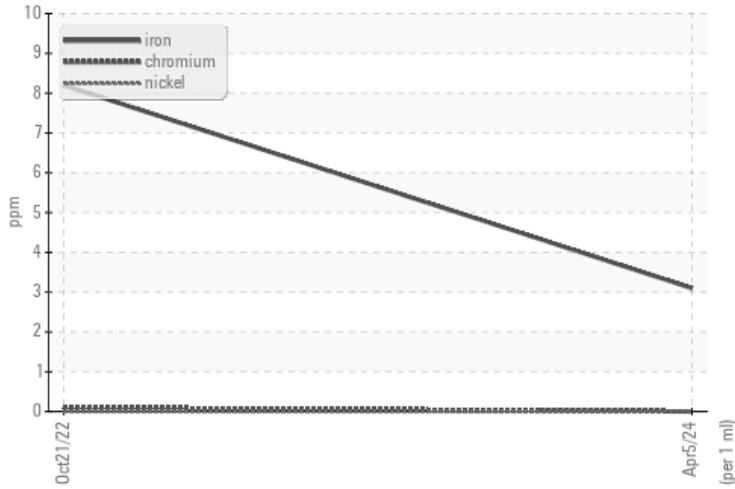


CONSTRUCTION EQUIPMENT

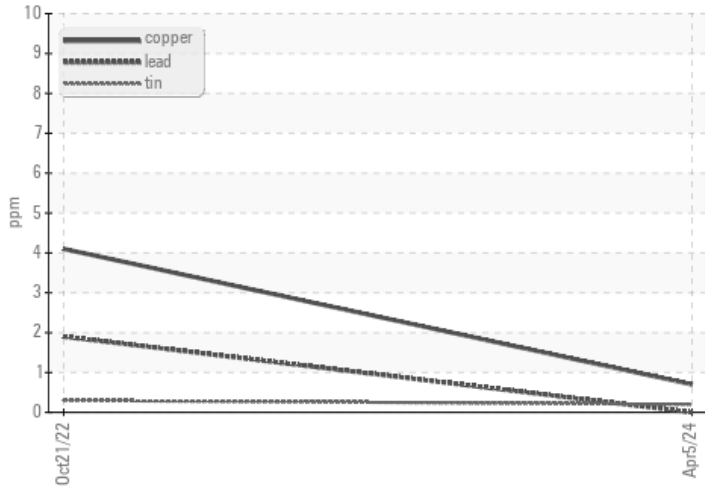


GRAPHS

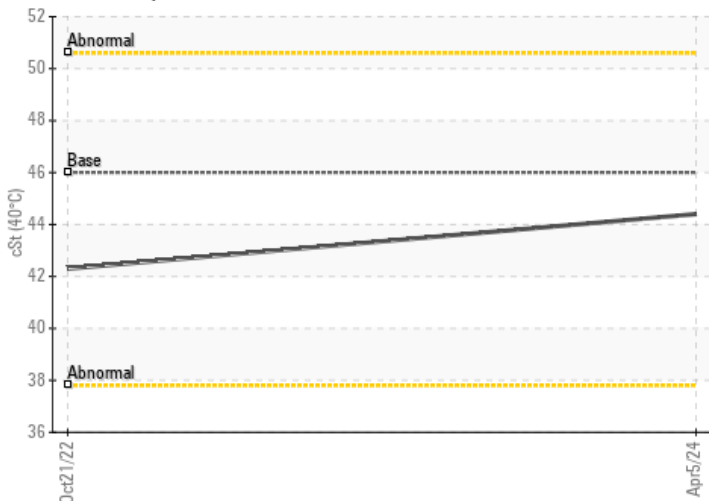
Ferrous Alloys



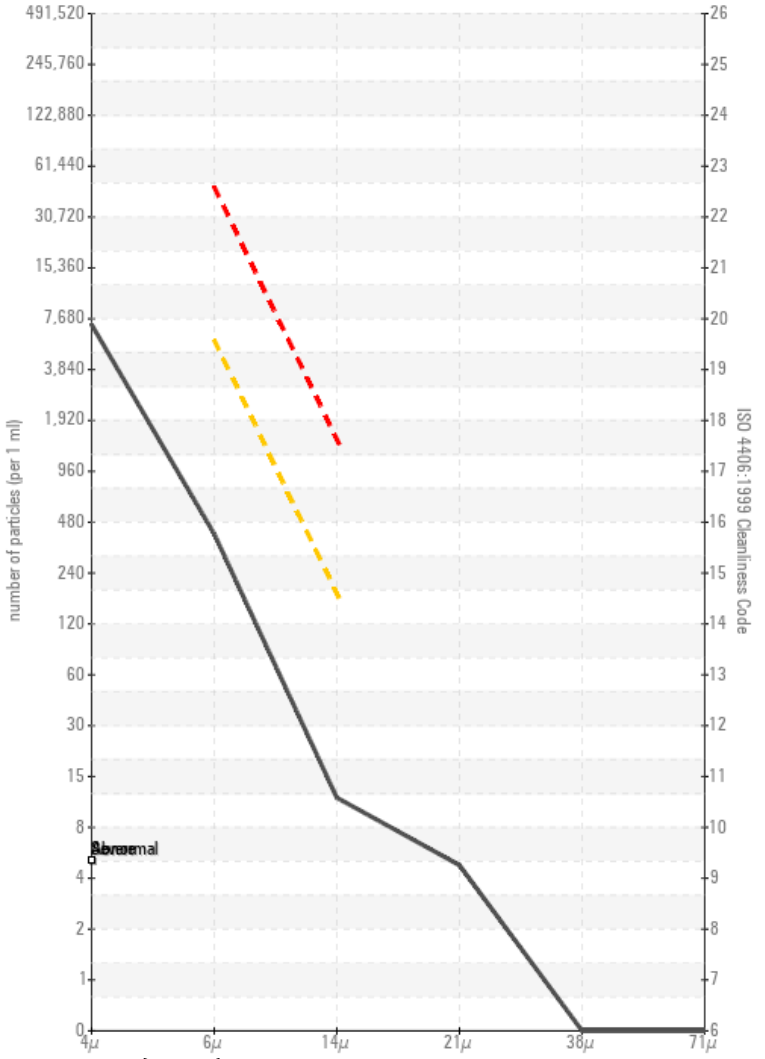
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

