



CONSTRUCTION EQUIPMENT

VOLVO A30G 742658 - HYDRAULIC SYSTEM



Sample No: VCP0008119
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP0008119	VCP0008086	VCP303970	---
Sample Date	04 Dec 2023	02 Oct 2023	10 Mar 2021	---
Machine Hours	1534	0	938	---
Oil Hours	1534	0	0	---
Oil Changed	N/A	N/A	Not Changd	---
Sample Status	NORMAL	ABNORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	45.3	45.9	47.9	---
Acid Number (AN)	mg KOH/g	0.41	0.39	0.471	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		1278	22300	---	---
Particles >6µm		490	8091	---	---
Particles >14µm		83	706	---	---
ISO 4406:1999 (c)		17/16/14	22/20/17	---	---
Silicon	ppm	1	5	0	---
Sodium	ppm	0	2	1	---
Potassium	ppm	0	1	<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	0	11	6	---
Copper	ppm	0	5	6	---
Lead	ppm	0	4	3	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	5	0	---
Chromium	ppm	<1	1	<1	---
Molybdenum	ppm	<1	<1	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	55	93	93	---
Magnesium	ppm	<1	2	0	---
Zinc	ppm	420	469	704	---
Phosphorus	ppm	322	341	558	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	1	---

Depot: VOLVO0092
Unique No: 10777461
Signed: Wes Davis
Report Date: 08 Dec 2023

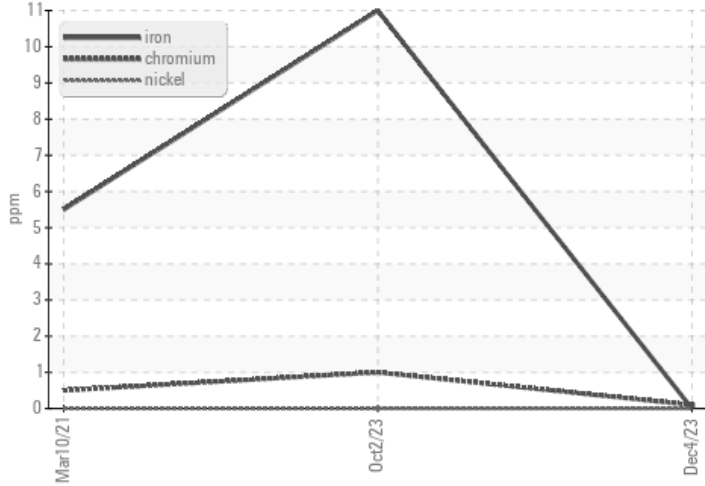


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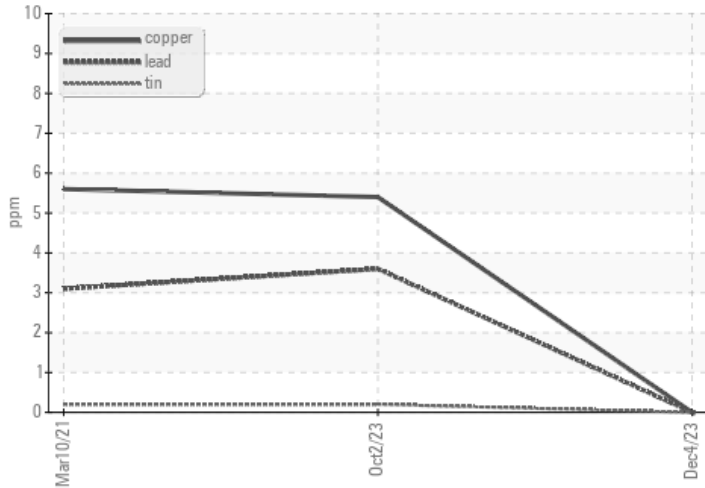


GRAPHS

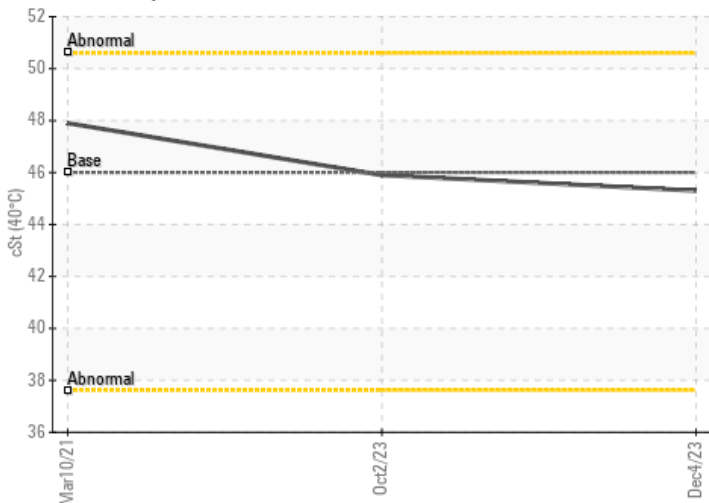
Ferrous Alloys



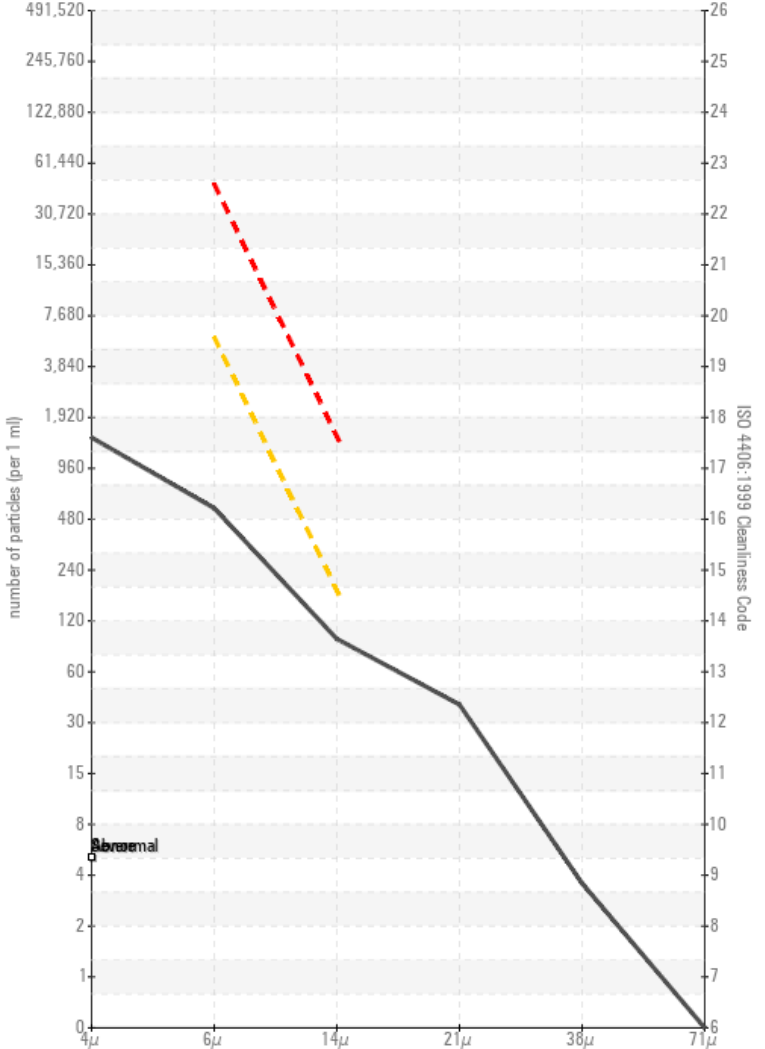
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

