



CONSTRUCTION EQUIPMENT

VOLVO A30G 742411 - HYDRAULIC SYSTEM



Sample No: VCP439105
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP439105	VCP296003	VCP275815	---
Sample Date	22 Feb 2024	22 Dec 2020	26 May 2020	---
Machine Hours	5942	2608	2049	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	43.7	45.5	46.0	---
Acid Number (AN)	mg KOH/g	0.39	0.435	0.561	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		1580	2605	2143	---
Particles >6µm		313	509	268	---
Particles >14µm		32	38	15	---
ISO 4406:1999 (c)		18/15/12	19/16/12	18/15/11	---
Silicon	ppm	5	2	4	---
Sodium	ppm	0	1	2	---
Potassium	ppm	<1	<1	0	---

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	11	7	7	---
Copper	ppm	3	4	4	---
Lead	ppm	2	3	3	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	<1	0	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	1	<1	0	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	<1	<1	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	59	53	62	---
Magnesium	ppm	3	1	<1	---
Zinc	ppm	401	412	473	---
Phosphorus	ppm	272	329	369	---
Barium	ppm	5	0	0	---
Boron	ppm	0	3	0	---

Depot: VOLVO0096
Unique No: 10896535
Signed: Wes Davis
Report Date: 26 Feb 2024

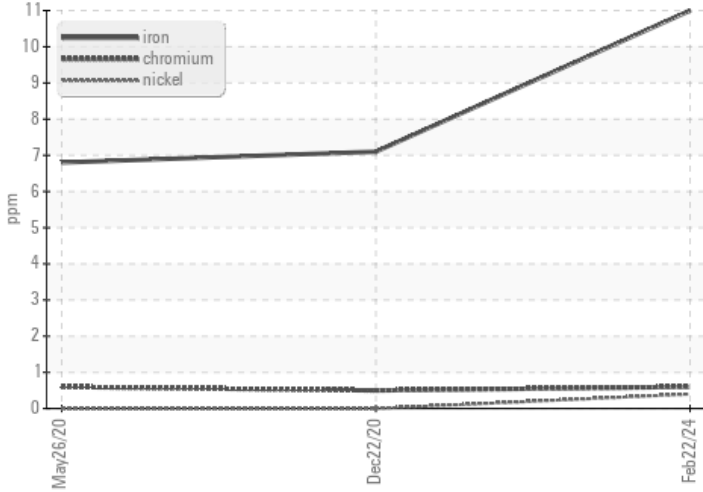


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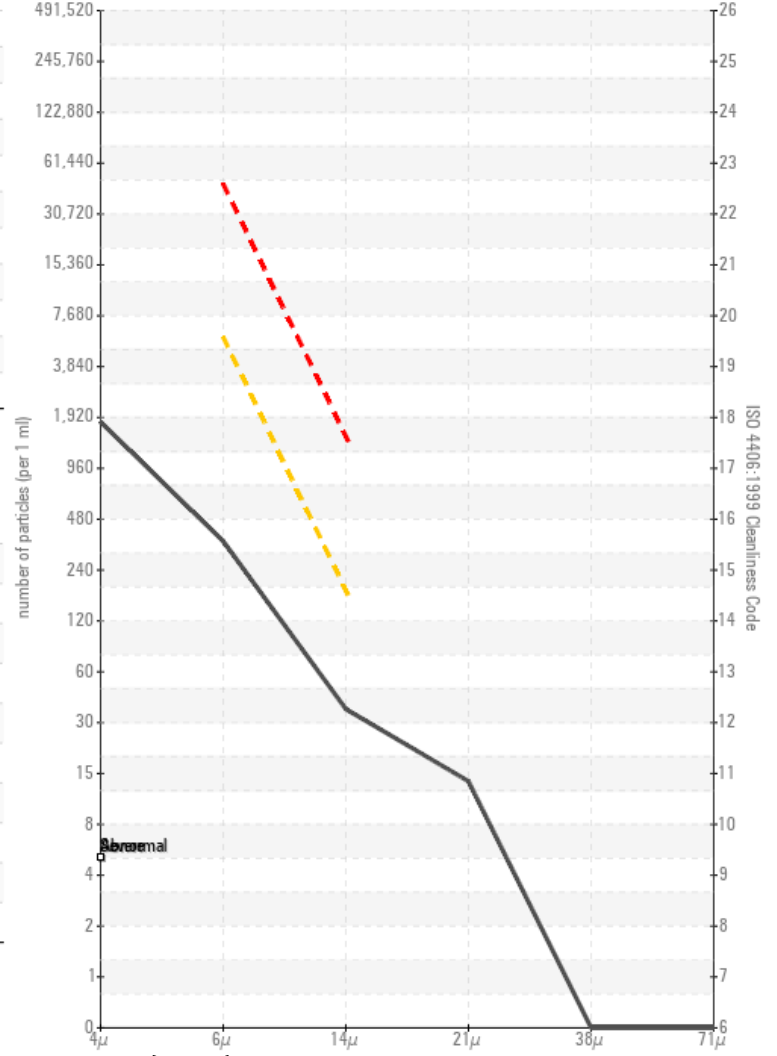


VOLVO GRAPHS

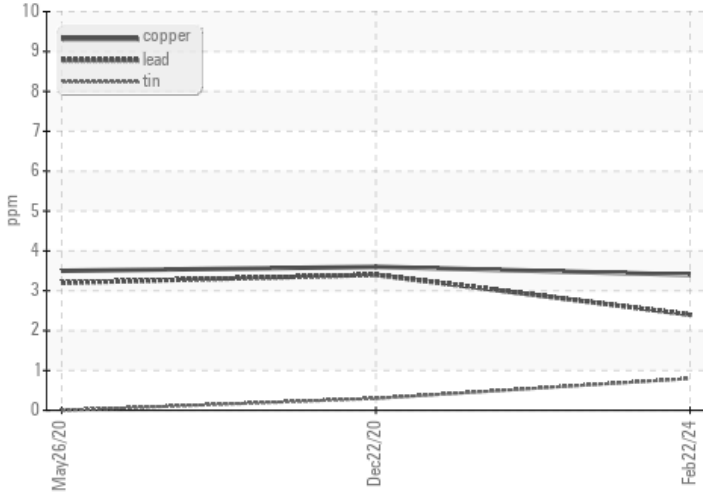
Ferrous Alloys



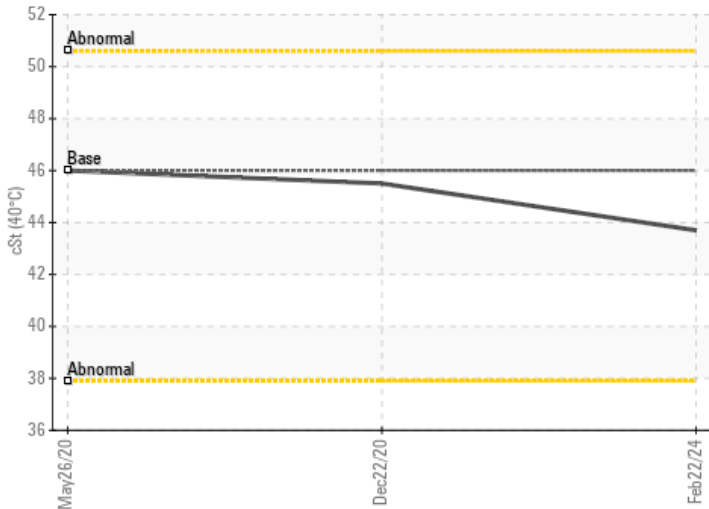
Particle Count



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

