



CONSTRUCTION EQUIPMENT

634846 RYAN GOLF VOLVO A45G 352377 - HYDRAULIC SYSTEM



Sample No: VCP441467
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 634846 RYAN GOLF



SAMPLE INFORMATION

Sample Number	VCP441467	VCP345895	---	---
Sample Date	05 Dec 2023	04 Feb 2022	---	---
Machine Hours	4150	1992	---	---
Oil Hours	4150	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	45.9	42.0	---	---
Acid Number (AN)	mg KOH/g	0.30	0.34	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		24844	121669	---	---
Particles >6µm		1448	23648	---	---
Particles >14µm		52	821	---	---
ISO 4406:1999 (c)		22/18/13	24/22/17	---	---
Silicon	ppm	8	5	---	---
Sodium	ppm	2	1	---	---
Potassium	ppm	<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	8	7	---	---
Copper	ppm	2	2	---	---
Lead	ppm	2	2	---	---
Tin	ppm	<1	1	---	---
Aluminum	ppm	3	<1	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	60	50	---	---
Magnesium	ppm	2	0	---	---
Zinc	ppm	386	453	---	---
Phosphorus	ppm	310	398	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	<1	---	---

Depot: VOLVO0093
Unique No: 10846183
Signed: Wes Davis
Report Date: 25 Jan 2024

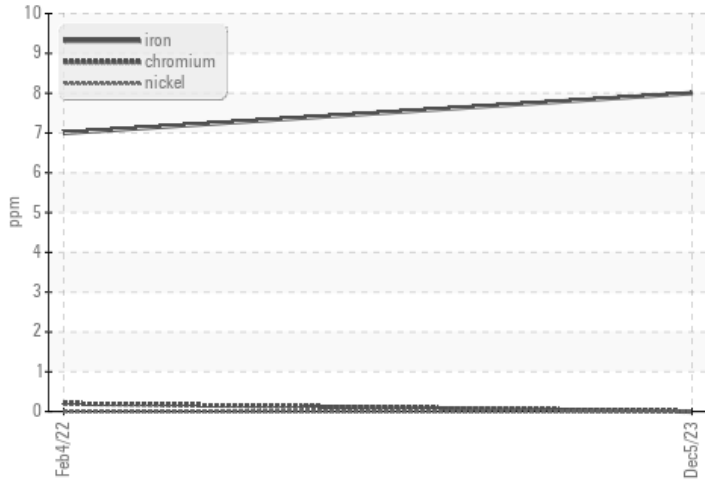


CONSTRUCTION EQUIPMENT

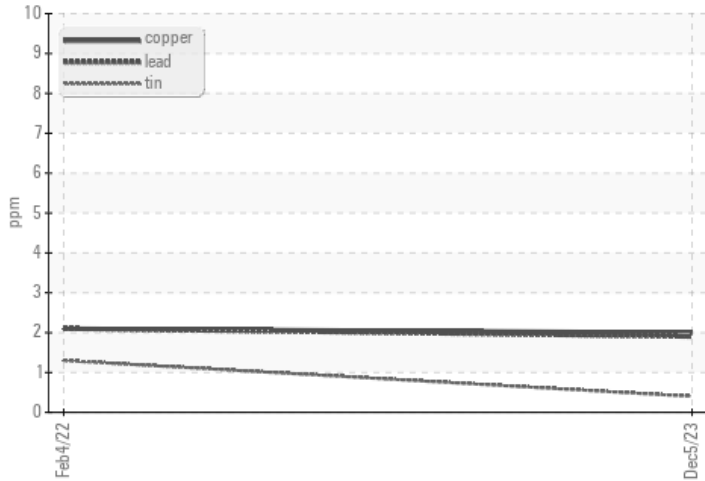


GRAPHS

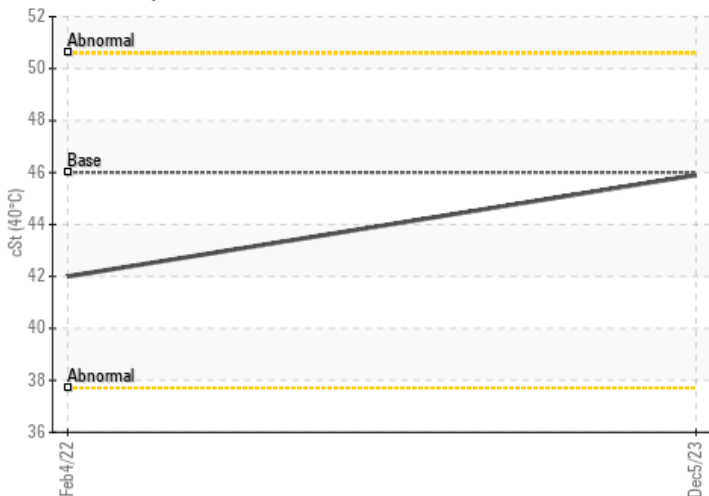
Ferrous Alloys



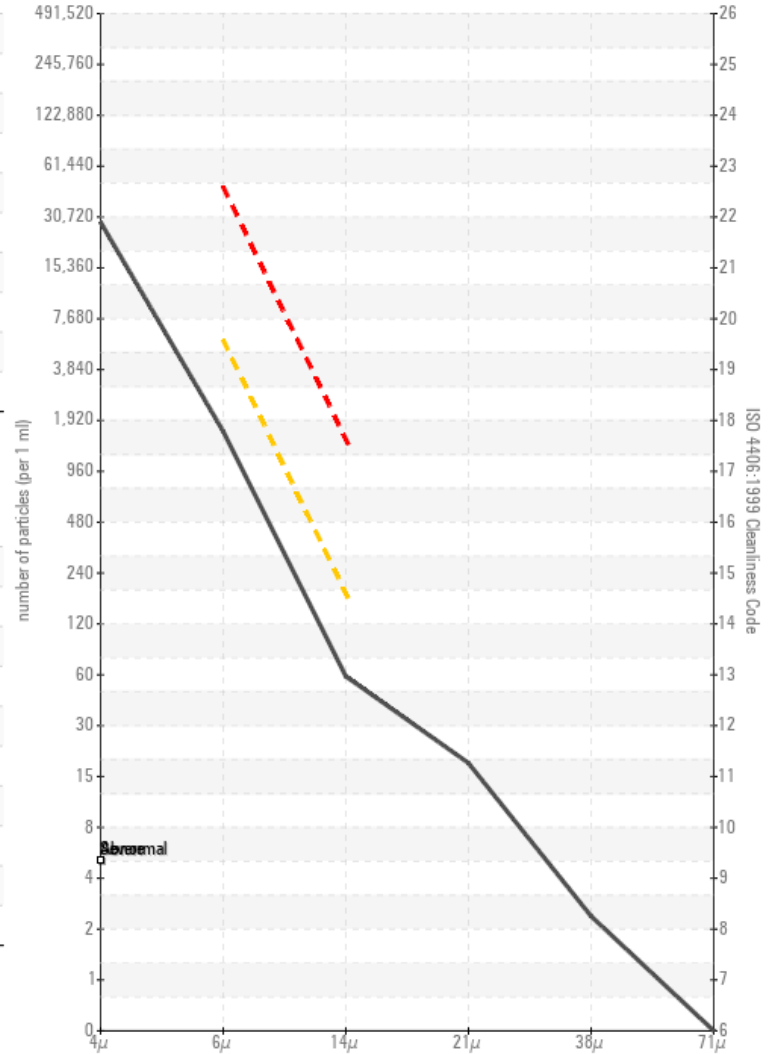
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

