



CONSTRUCTION EQUIPMENT

X47248 JOSHUA CONST VOLVO EC350 310659 - HYDRAULIC SYSTEM



Sample No: VCP416423
Oil Type: VOLVO HYDRAULIC OIL ULTRA 46
Job No: X47248 JOSHUA CONST



SAMPLE INFORMATION

Sample Number	VCP416423	VCP378218	VCP391022	---
Sample Date	21 Jul 2023	07 Feb 2023	27 Oct 2022	---
Machine Hours	6117	4999	4170	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	Changed	---
Sample Status	ATTENTION	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	42.6	42.5	42.0	---
Acid Number (AN)	mg KOH/g	0.47	0.49	0.47	---



CONTAMINATION

Particles >4µm		51823	16222	7476	---
Particles >6µm		14031	4755	570	---
Particles >14µm		299	249	26	---
ISO 4406:1999 (c)		23/21/15	21/19/15	20/16/12	---
Silicon	ppm	8	5	5	---
Sodium	ppm	0	0	0	---
Potassium	ppm	<1	1	0	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	17	9	6	---
Copper	ppm	24	22	34	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	0	<1	---
Chromium	ppm	3	1	1	---
Molybdenum	ppm	52	64	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	46	46	45	---
Magnesium	ppm	<1	1	0	---
Zinc	ppm	409	411	374	---
Phosphorus	ppm	403	393	369	---
Barium	ppm	2	0	<1	---
Boron	ppm	0	0	0	---

Depot: VOLVO6244
Unique No: 10575413
Signed: Wes Davis
Report Date: 28 Jul 2023

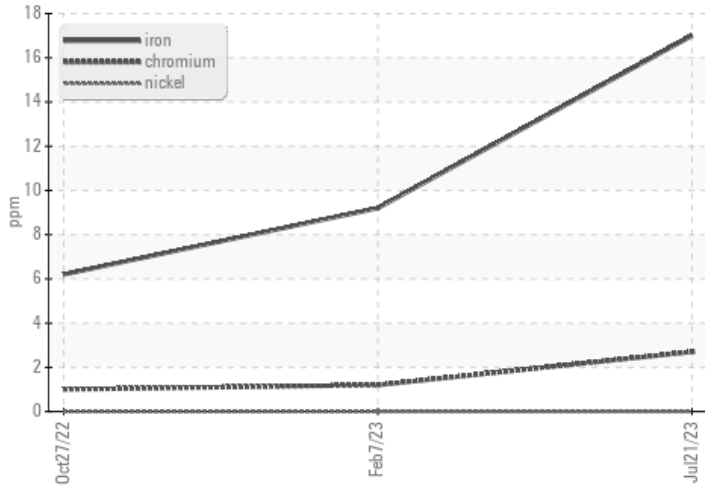


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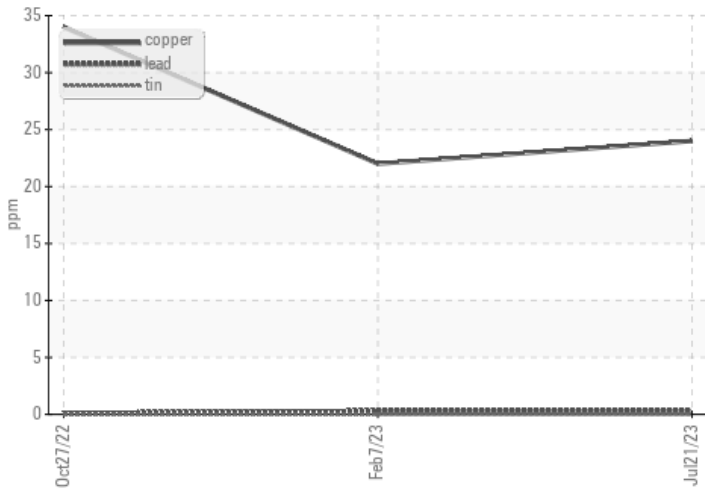


VOLVO GRAPHS

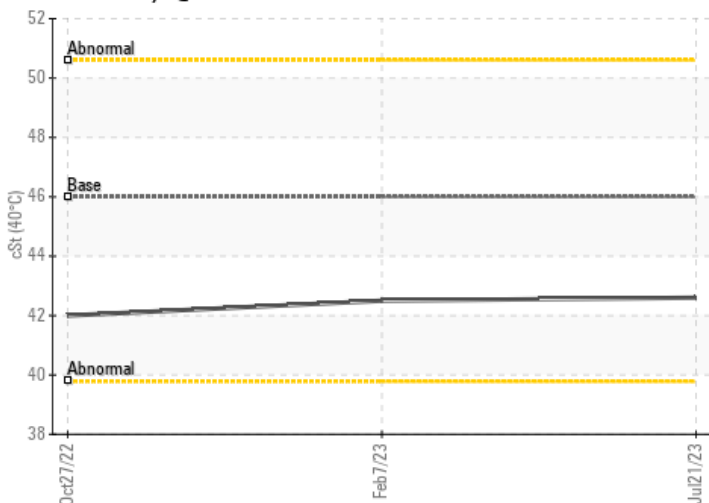
Ferrous Alloys



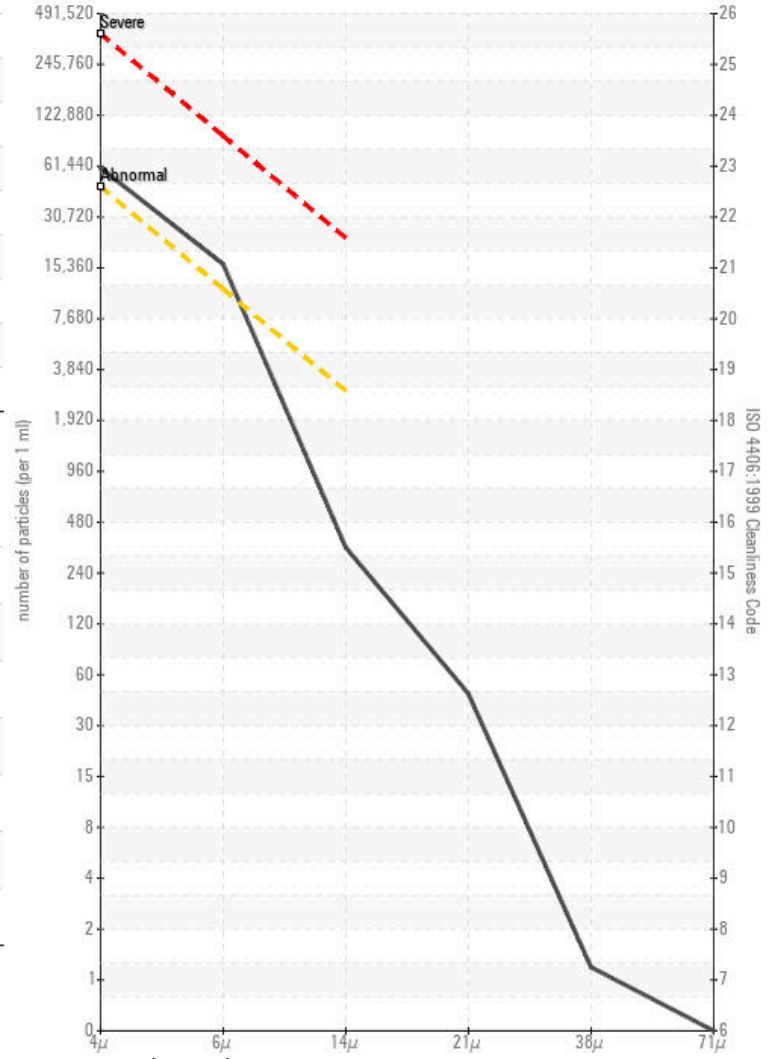
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

