



CONSTRUCTION EQUIPMENT

W02007788 VOLVO EC350EL 310806 - HYDRAULIC SYSTEM



Sample No: VCP409438
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: W02007788



SAMPLE INFORMATION

Sample Number	VCP409438	VCP320871	---	---
Sample Date	30 Nov 2023	03 Nov 2021	---	---
Machine Hours	5964	3986	---	---
Oil Hours	2000	3000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	40.5	42.5	---	---
Acid Number (AN)	mg KOH/g	0.31	0.377	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		8285	29517	---	---
Particles >6µm		1307	511	---	---
Particles >14µm		95	12	---	---
ISO 4406:1999 (c)		20/18/14	22/16/11	---	---
Silicon	ppm	2	0	---	---
Sodium	ppm	0	<1	---	---
Potassium	ppm	1	0	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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	14	6	---	---
Copper	ppm	32	41	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	7	6	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	26	48	---	---
Magnesium	ppm	<1	0	---	---
Zinc	ppm	275	358	---	---
Phosphorus	ppm	339	408	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	2	---	---

Depot: VOLVO0002
Unique No: 10777453
Signed: Don Baldrige
Report Date: 08 Dec 2023

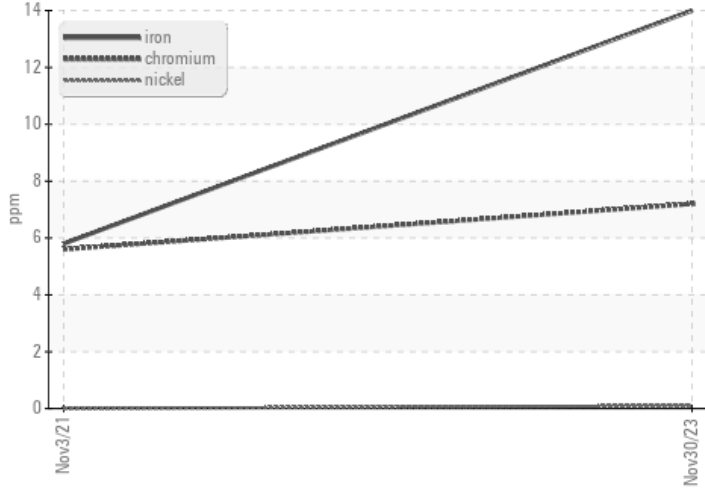


CONSTRUCTION EQUIPMENT

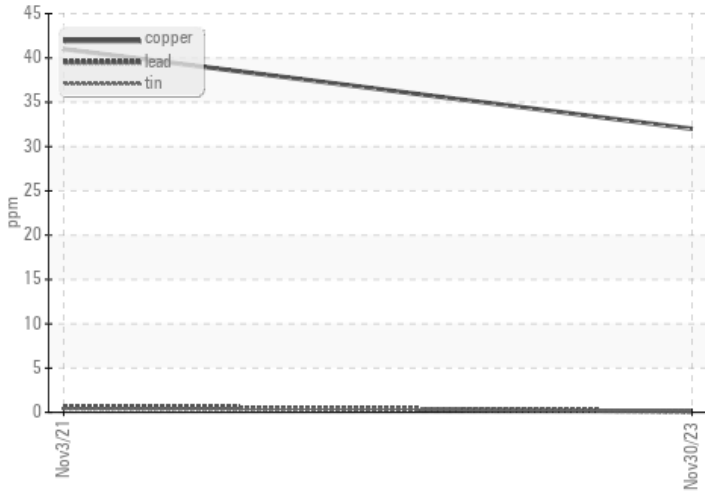


GRAPHS

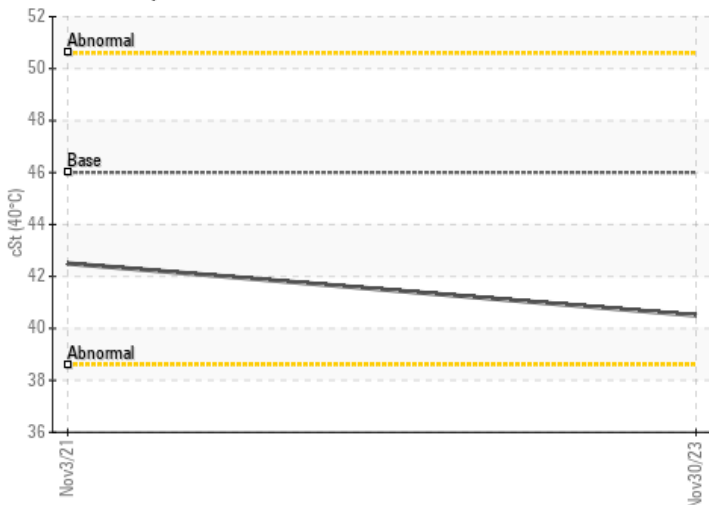
Ferrous Alloys



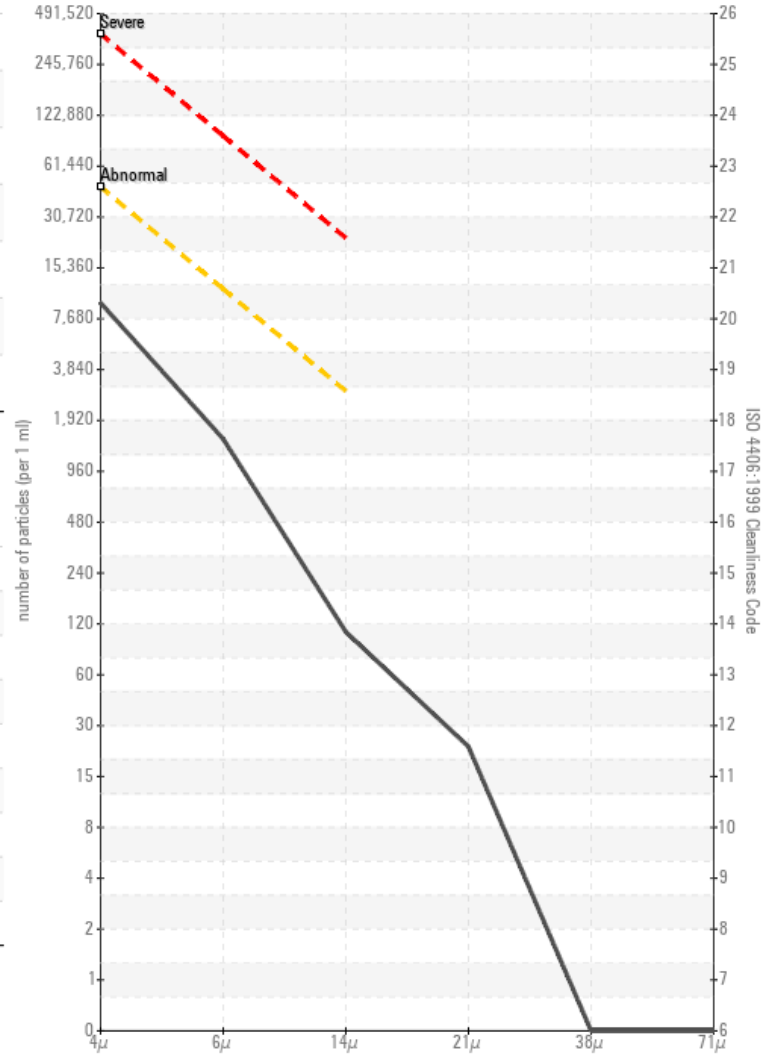
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

