



CONSTRUCTION EQUIPMENT

A12146 VOLVO EC350E 314672 - HYDRAULIC SYSTEM



Sample No: VCP438198
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A12146



SAMPLE INFORMATION

Sample Number	VCP438198	VCP409300	---	---
Sample Date	26 Mar 2024	23 Jan 2024	---	---
Machine Hours	2450	1925	---	---
Oil Hours	2450	1925	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---

WASTE MANAGEMENT - TELFORD

400 PROGRESS DR
 TELFORD, PA
 US 18969-1191
 Contact: EDWARD ROGENER
 erogener@wm.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	40.4	40.6	---	---
Acid Number (AN)	mg KOH/g	0.52	0.52	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		5572	13145	---	---
Particles >6µm		1699	4887	---	---
Particles >14µm		122	413	---	---
ISO 4406:1999 (c)		20/18/14	21/19/16	---	---
Silicon	ppm	3	3	---	---
Sodium	ppm	<1	0	---	---
Potassium	ppm	0	1	---	---

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	0	2	---	---
Copper	ppm	17	19	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	0	2	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	109	103	---	---
Magnesium	ppm	1	<1	---	---
Zinc	ppm	530	538	---	---
Phosphorus	ppm	406	438	---	---
Barium	ppm	0	13	---	---
Boron	ppm	0	0	---	---

Depot: WASTEL
Unique No: 10968966
Signed: Don Baldrige
Report Date: 12 Apr 2024

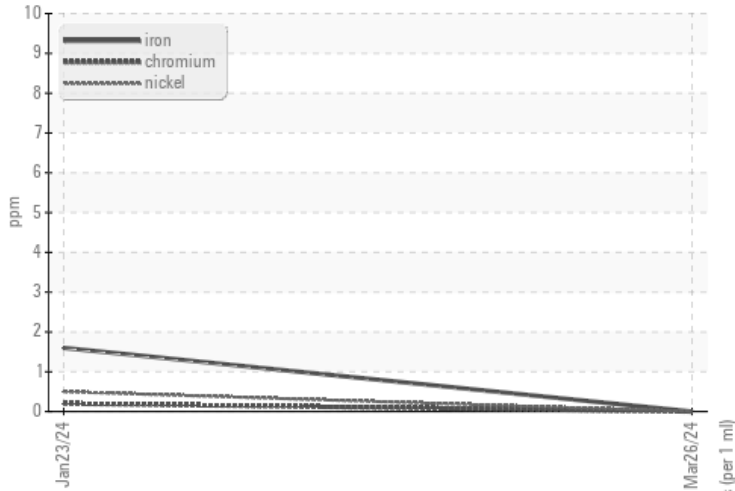


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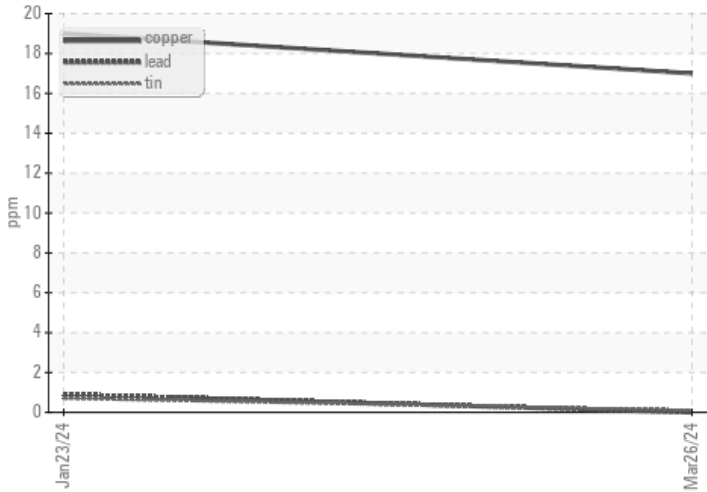


GRAPHS

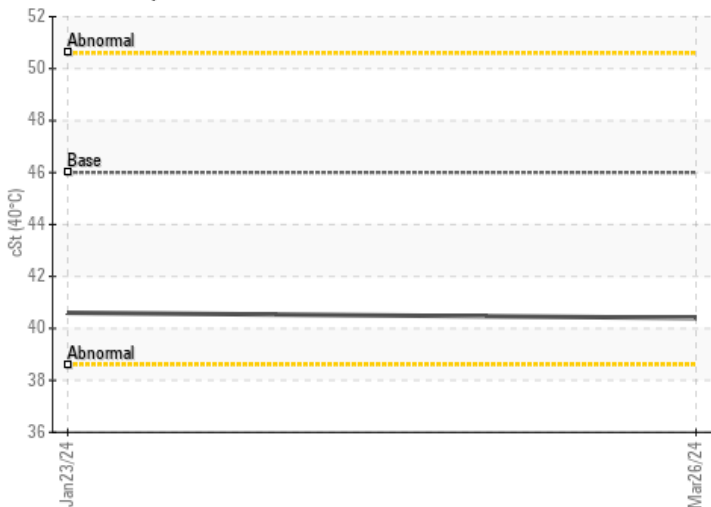
Ferrous Alloys



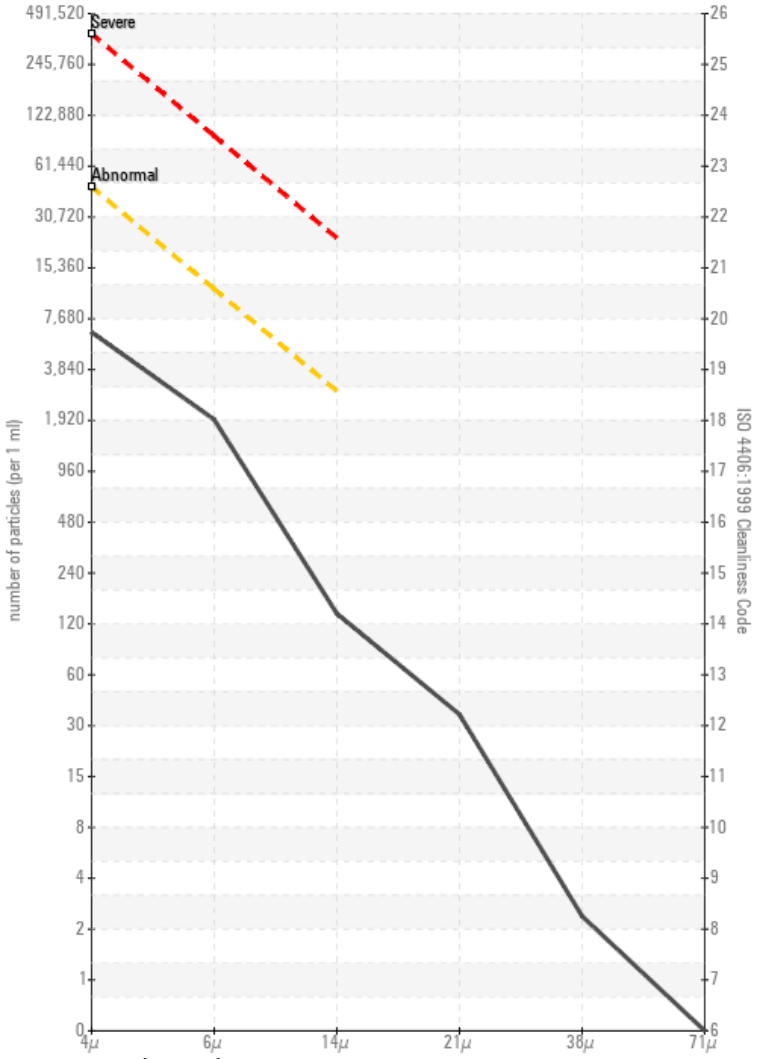
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

