



CONSTRUCTION EQUIPMENT

SPM540181 DETROIT IR VOLVO EC350 3 10600 - HYDRAULIC SYSTEM



Sample No: VCP409611
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM540181 DETROIT IR



SAMPLE INFORMATION

Sample Number	VCP409611	---	---	---
Sample Date	25 Apr 2023	---	---	---
Machine Hours	5980	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	█ 40.5	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.46	---	---	---



CONTAMINATION

Particles >4µm		█ 29093	---	---	---
Particles >6µm		█ 4191	---	---	---
Particles >14µm		█ 105	---	---	---
ISO 4406:1999 (c)		22/19/14	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 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	---	---	---
Copper	ppm	█ 21	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 179	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 410	---	---	---
Phosphorus	ppm	█ 335	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO5023
Unique No: 10455327
Signed: Wes Davis
Report Date: 04 May 2023

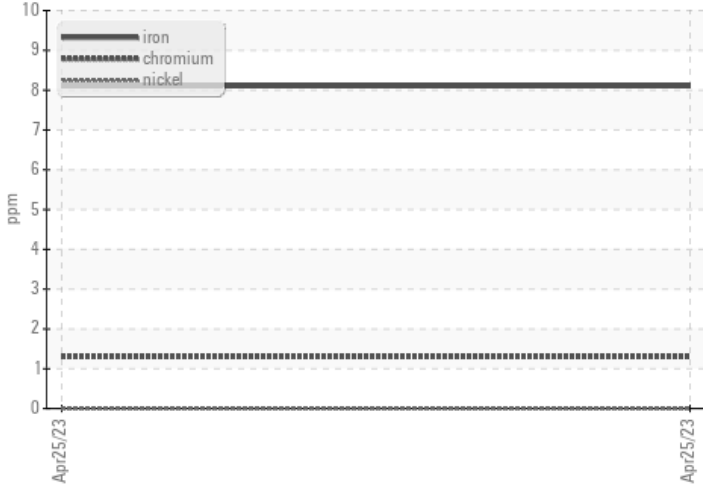


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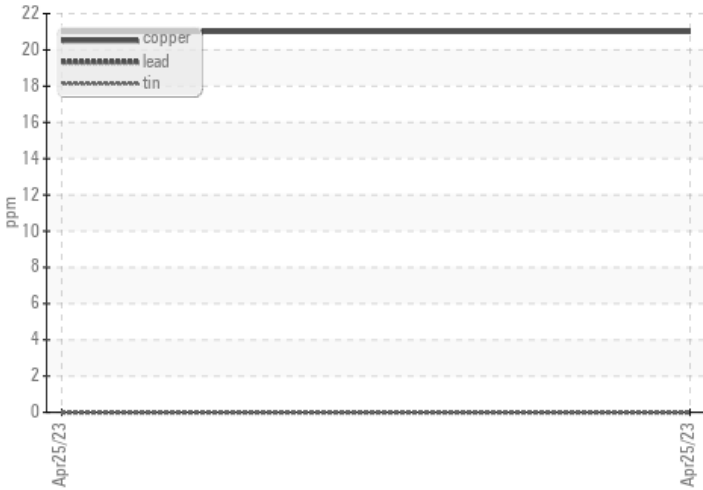


VOLVO GRAPHS

Ferrous Alloys



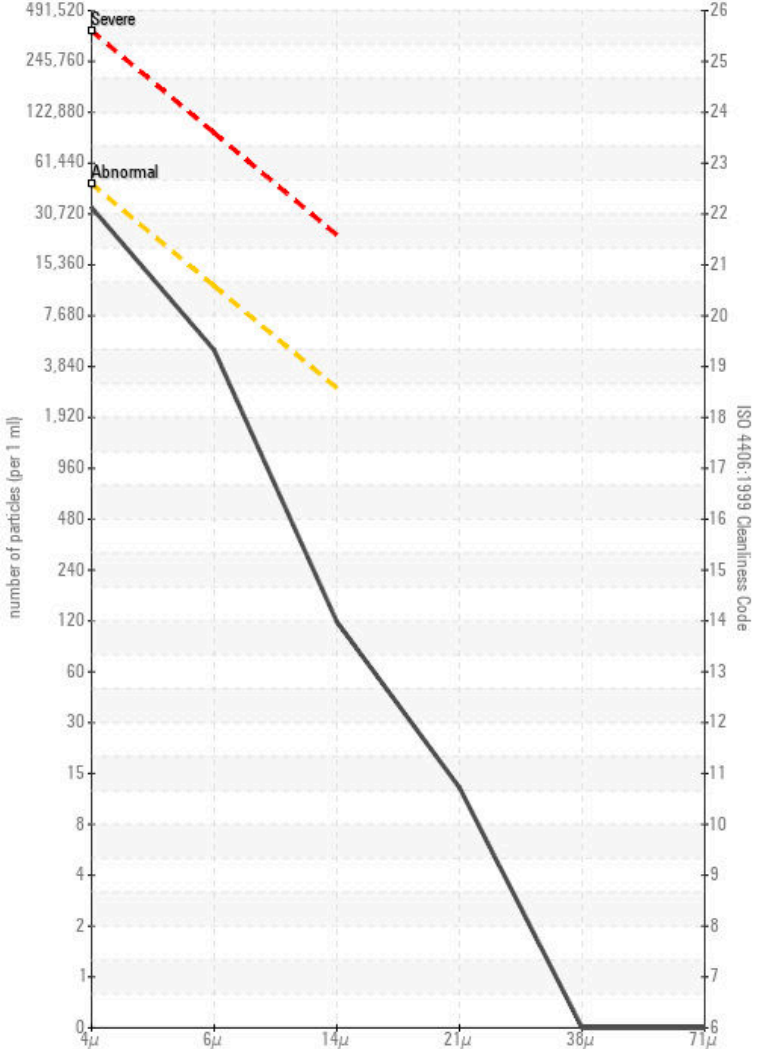
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

