



CONSTRUCTION EQUIPMENT

6490 VOLVO EC350 314244 - HYDRAULIC SYSTEM



Sample No: VCP421144
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 6490



SAMPLE INFORMATION

Sample Number	VCP421144	---	---	---
Sample Date	20 Apr 2023	---	---	---
Machine Hours	2130	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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 4807 HARRISON RD
 MACON, GA
 US 31206
 Contact: HALIE BAKER
 halie.baker@ascendummachinery.com
 T:
 F: (478)200-5859



OIL CONDITION

Visc @ 40°C	cSt	■ 38.1	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.57	---	---	---



CONTAMINATION

Particles >4µm		■ 1833	---	---	---
Particles >6µm		■ 115	---	---	---
Particles >14µm		■ 8	---	---	---
ISO 4406:1999 (c)		18/14/10	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ <1	---	---	---

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	■ 3	---	---	---
Copper	ppm	■ 20	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 5	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 561	---	---	---
Magnesium	ppm	■ 25	---	---	---
Zinc	ppm	■ 574	---	---	---
Phosphorus	ppm	■ 471	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 4	---	---	---

Depot: ASCMAC
Unique No: 10537028
Signed: Wes Davis
Report Date: 02 Jul 2023

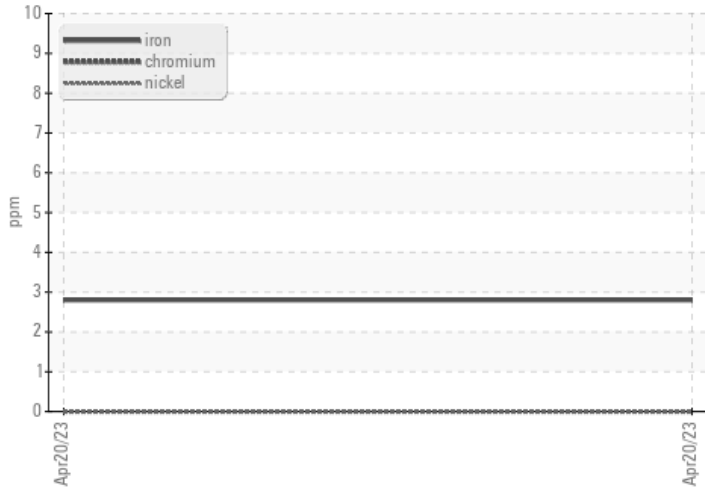


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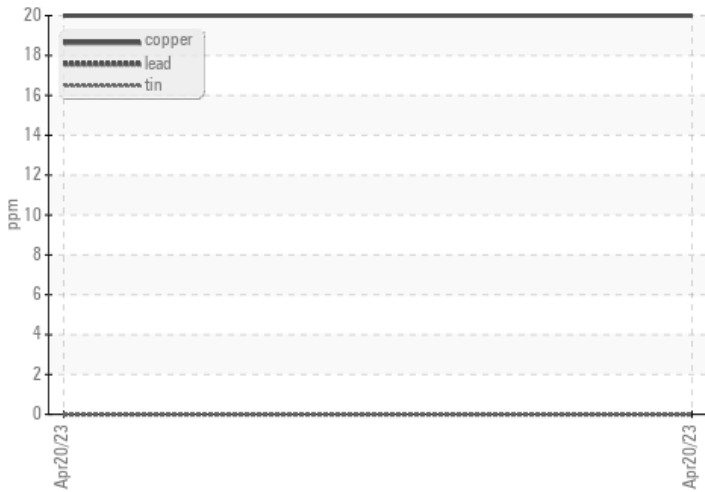


VOLVO GRAPHS

Ferrous Alloys



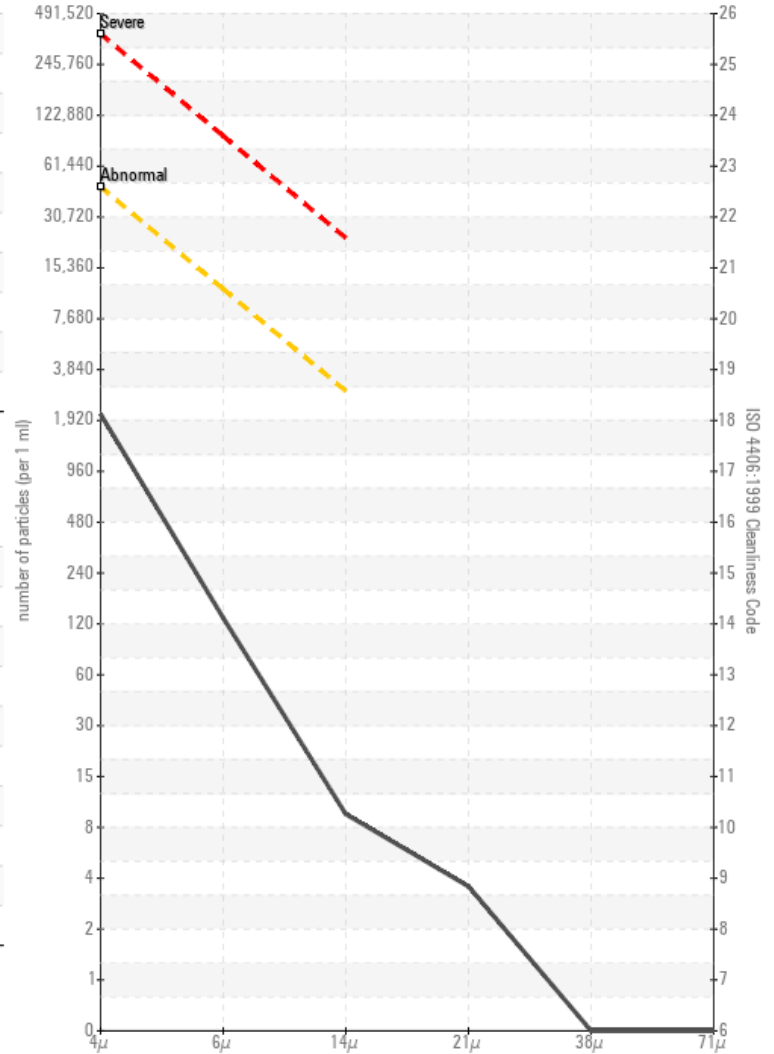
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

