



CONSTRUCTION EQUIPMENT

SHOP VOLVO EC300 314060 - HYDRAULIC SYSTEM



Sample No: VCP332123
Oil Type: GULF 10WT
Job No: SHOP



SAMPLE INFORMATION

Sample Number	VCP332123	---	---	---
Sample Date	10 Apr 2024	---	---	---
Machine Hours	2774	---	---	---
Oil Hours	1193	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

SODERBERG CONSTRUCTION
 460 YORK STREET
 CARIBOU, ME
 US 04736
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 F: (207)498-6535



OIL CONDITION

Visc @ 40°C	cSt	█ 41.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.57	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 24077	---	---	---
Particles >6µm		█ 920	---	---	---
Particles >14µm		█ 7	---	---	---
ISO 4406:1999 (c)		22/17/10	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 4	---	---	---
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	█ 7	---	---	---
Copper	ppm	█ 31	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	2	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1334	---	---	---
Magnesium	ppm	15	---	---	---
Zinc	ppm	796	---	---	---
Phosphorus	ppm	639	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	25	---	---	---

Depot: SODCAR
Unique No: 11018631
Signed: Wes Davis
Report Date: 09 May 2024

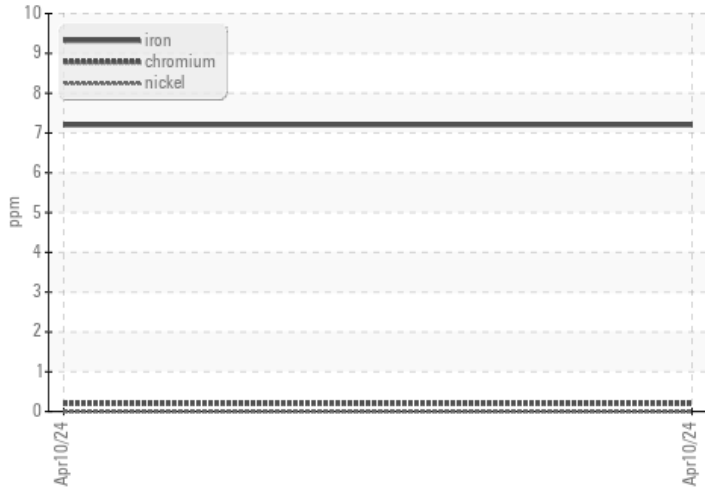


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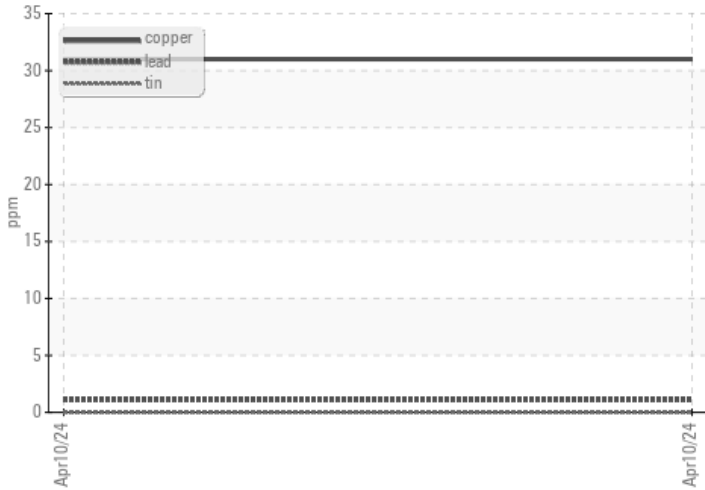


GRAPHS

Ferrous Alloys



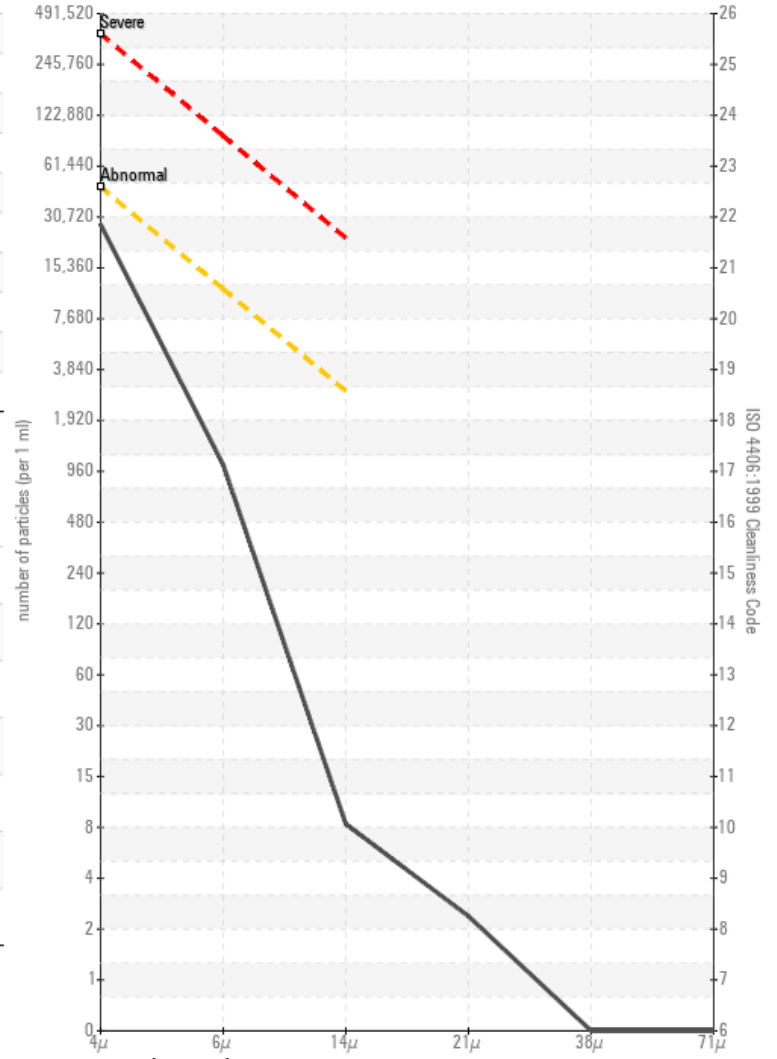
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

