



CONSTRUCTION EQUIPMENT

SWO-068096 APAC/MIDS VOLVO EC480E 314549 - HYDRAULIC SYSTEM



Sample No: VCP414655
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWO-068096 APAC/MIDS



SAMPLE INFORMATION

Sample Number	VCP414655	---	---	---
Sample Date	08 Dec 2023	---	---	---
Machine Hours	4060	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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 1501 HWY 78 EAST
 OXFORD, AL
 US 36203
 Contact: STEVE CAMPBELL
 stcampbell@cowin.com
 T: (256)832-5053
 F: (256)831-4295

OIL CONDITION

Visc @ 40°C	cSt	█ 40.7	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.77	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 28985	---	---	---
Particles >6µm		█ 806	---	---	---
Particles >14µm		█ 18	---	---	---
ISO 4406:1999 (c)		22/17/11	---	---	---
Silicon	ppm	█ 7	---	---	---
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	█ 6	---	---	---
Copper	ppm	█ 14	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 4	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	1526	---	---	---
Magnesium	ppm	█ 19	---	---	---
Zinc	ppm	█ 798	---	---	---
Phosphorus	ppm	█ 679	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 10	---	---	---

Depot: COWOXF
Unique No: 10783229
Signed: Wes Davis
Report Date: 14 Dec 2023

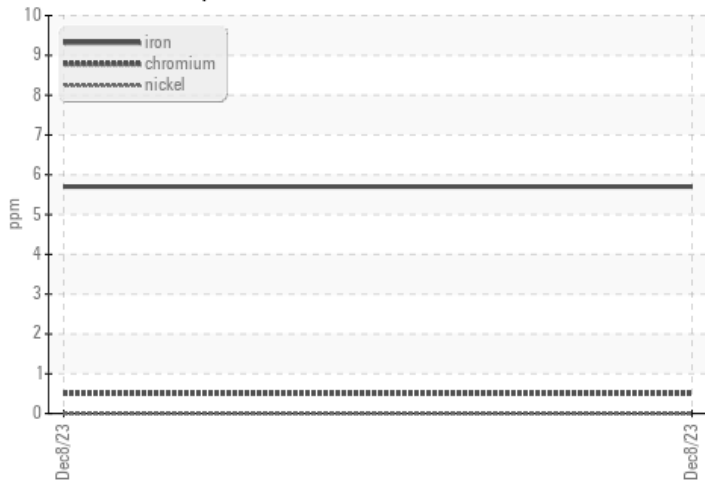


CONSTRUCTION EQUIPMENT

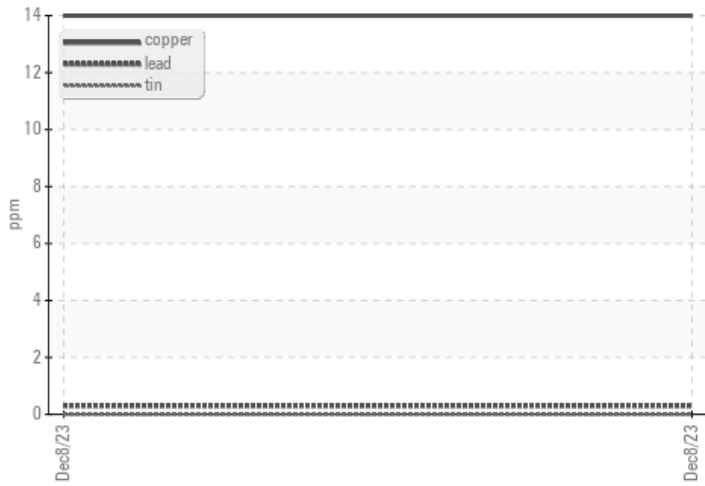


VOLVO GRAPHS

Ferrous Alloys



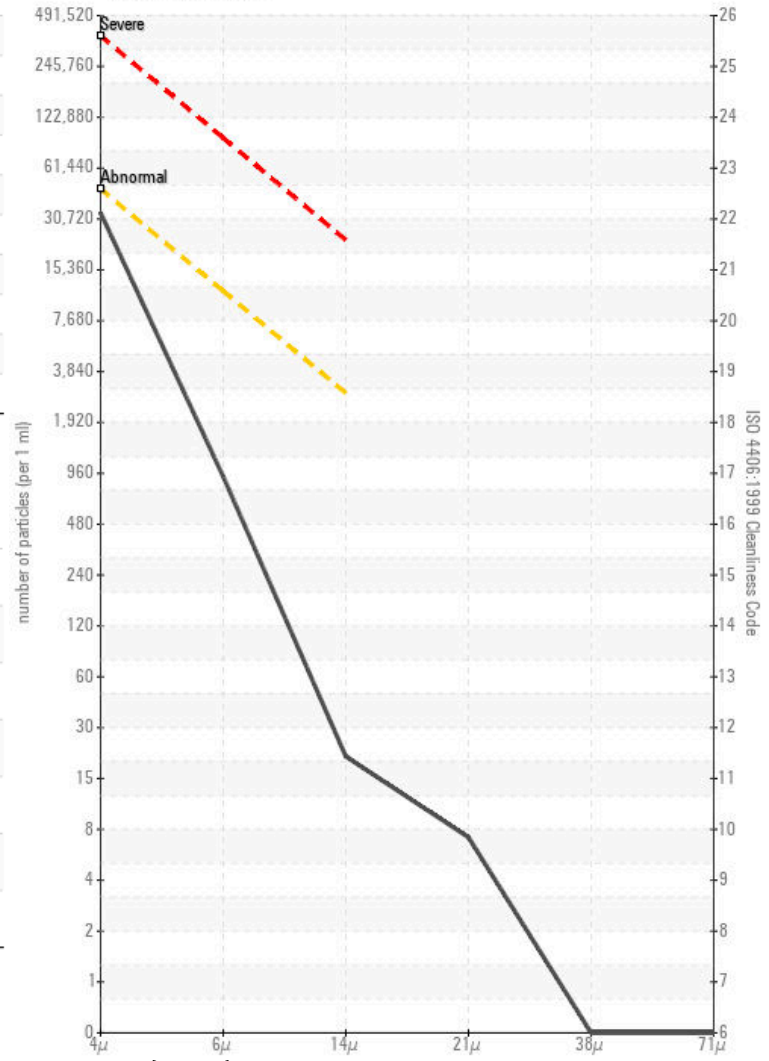
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

