



CONSTRUCTION EQUIPMENT

X10214 WCA001 VOLVO EC300DL 210381 - HYDRAULIC SYSTEM



Sample No: VCP423456
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: X10214 WCA001



SAMPLE INFORMATION

Sample Number	VCP423456	---	---	---
Sample Date	26 May 2023	---	---	---
Machine Hours	6326	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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 5401 SANDERSON LANE
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 US 71854
 Contact: JAMES DOSS
 jdoss@scottcompanies.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	█ 46.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.47	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 9017	---	---	---
Particles >6µm		█ 1222	---	---	---
Particles >14µm		█ 65	---	---	---
ISO 4406:1999 (c)		20/17/13	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.
 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	█ 11	---	---	---
Copper	ppm	█ 13	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 97	---	---	---
Magnesium	ppm	█ 8	---	---	---
Zinc	ppm	█ 540	---	---	---
Phosphorus	ppm	█ 435	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ <1	---	---	---

Depot: VOLVO1034
Unique No: 10507589
Signed: Wes Davis
Report Date: 09 Jun 2023

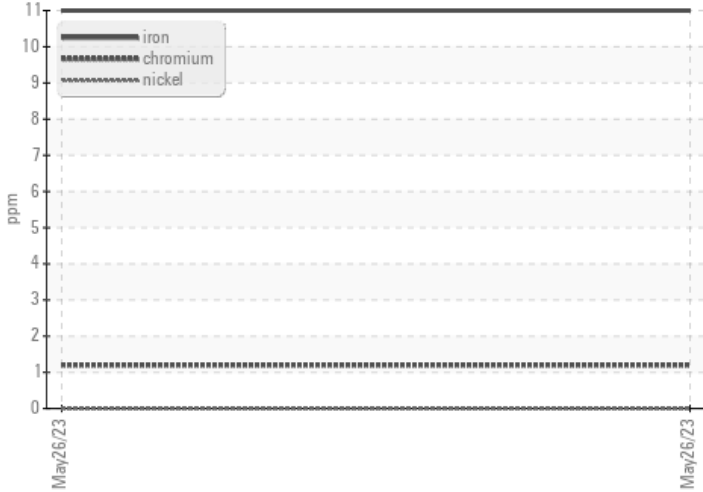


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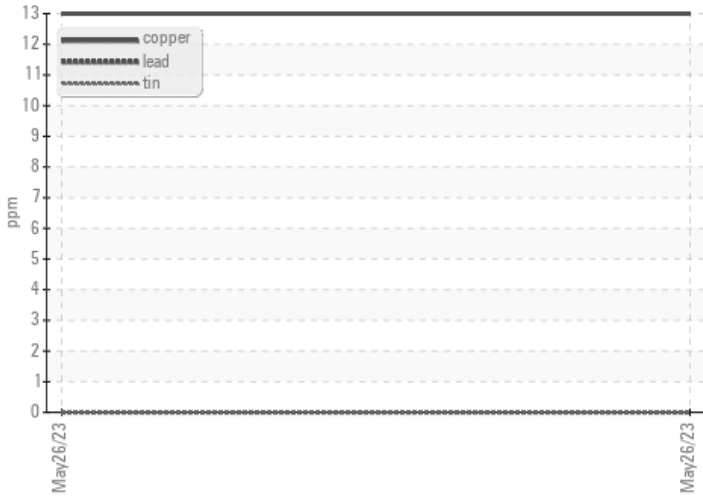


GRAPHS

Ferrous Alloys



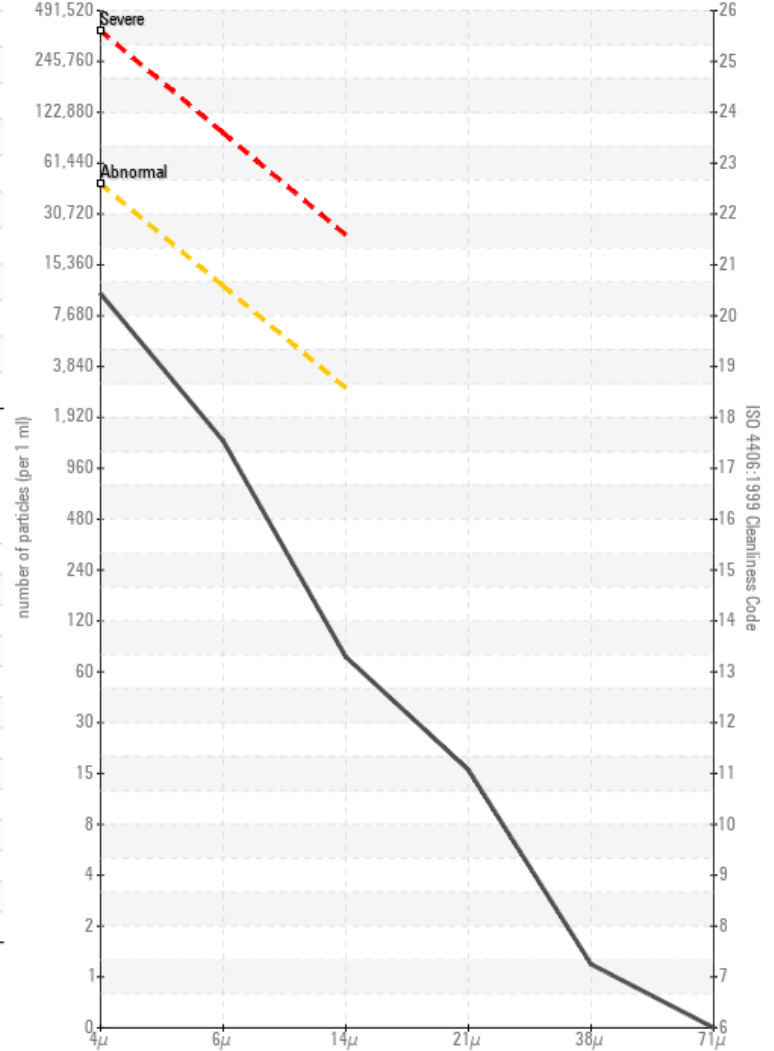
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

