CONSTRUCTION EQUIPMENT
VOLVO EC480EL 314810 - HYDRAULIC SYSTEM

Sample No: VCP416096
Oil Type: AW HYDRAULIC OIL ISO 46
Job No:

SAMPLE INFORMATION

Sample Number		**VCP416096**	---	---	---
Sample Date		**23 May 2024**	---	---	---
Machine Hours		**2054**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Not Changd**	---	---	---
Sample Status		**ATTENTION**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**43.1**	---	---	---
Acid Number (AN)	mg KOH/g	**0.55**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**6844**	---	---	---
Particles >6µm		**929**	---	---	---
Particles >14µm		**23**	---	---	---
ISO 4406:1999 (c)		**20/17/12**	---	---	---
Silicon	ppm	**3**	---	---	---
Sodium	ppm	**0**	---	---	---
Potassium	ppm	**0**	---	---	---

WEAR METALS

Iron	ppm	**0**	---	---	---
Copper	ppm	**9**	---	---	---
Lead	ppm	**0**	---	---	---
Tin	ppm	**0**	---	---	---
Aluminum	ppm	**0**	---	---	---
Chromium	ppm	**0**	---	---	---
Molybdenum	ppm	**0**	---	---	---
Nickel	ppm	**0**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**<1**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**46**	---	---	---
Magnesium	ppm	**<1**	---	---	---
Zinc	ppm	**413**	---	---	---
Phosphorus	ppm	**338**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**0**	---	---	---

SCOTT EQUIPMENT COMPANY LLC - Lavergne
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LAVERGNE, TN
US 37086
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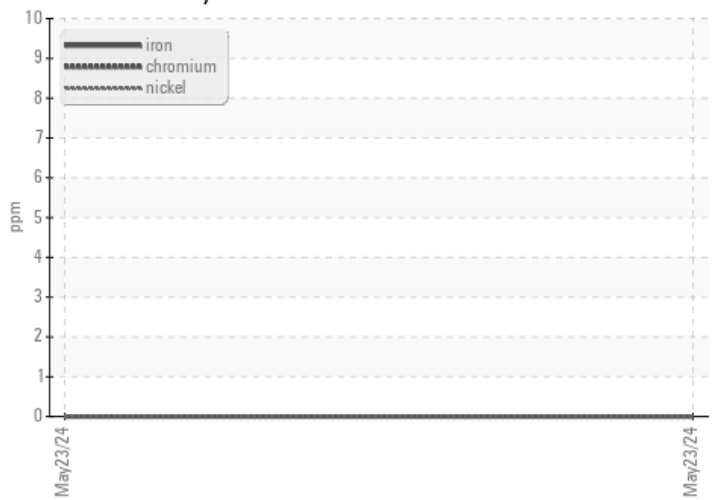
Diagnosis

We recommend you service the filters on this component. 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. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

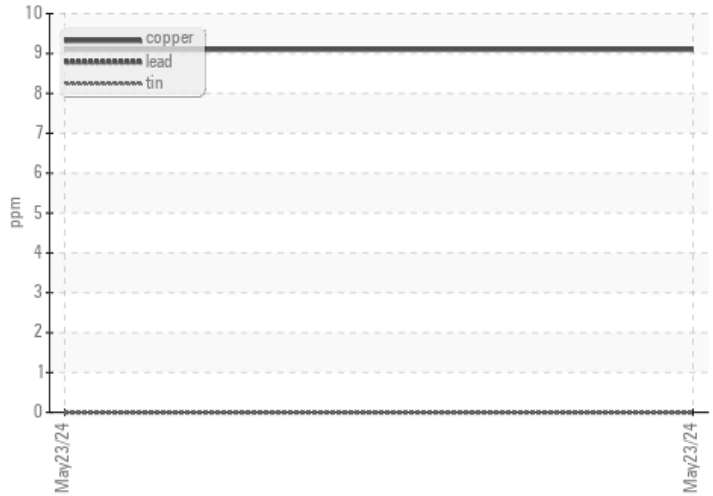
Depot: VOLVO0129
Unique No: 11048871
Signed: Wes Davis
Report Date: 29 May 2024

GRAPHS

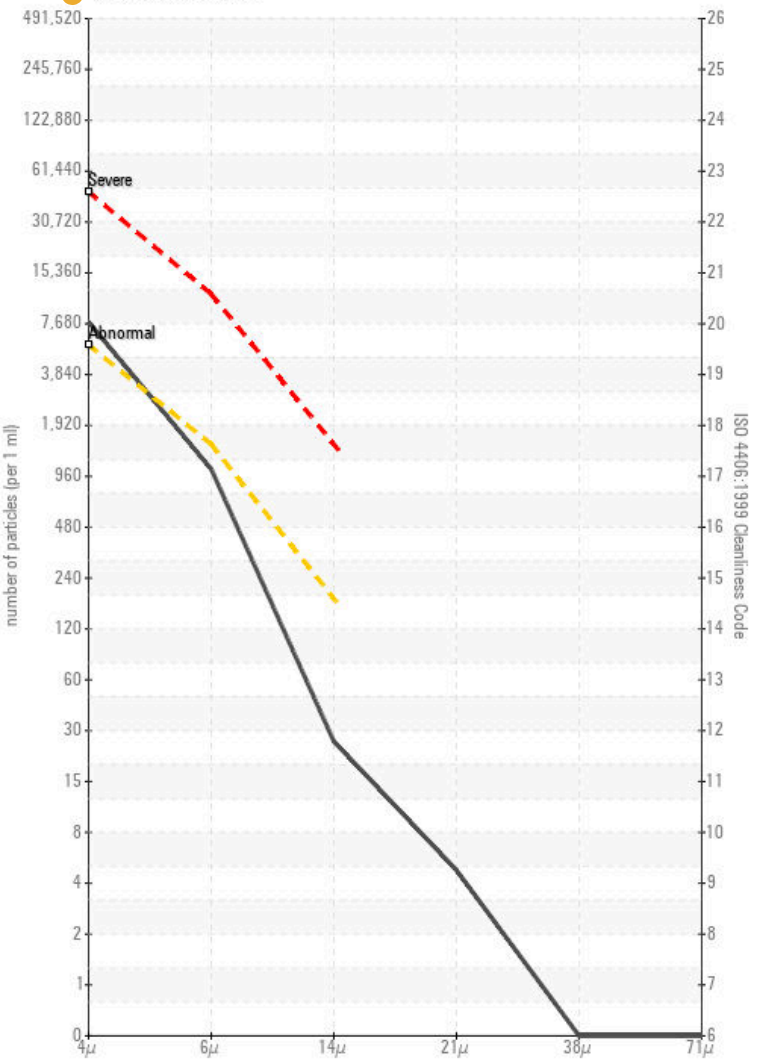
Ferrous Alloys



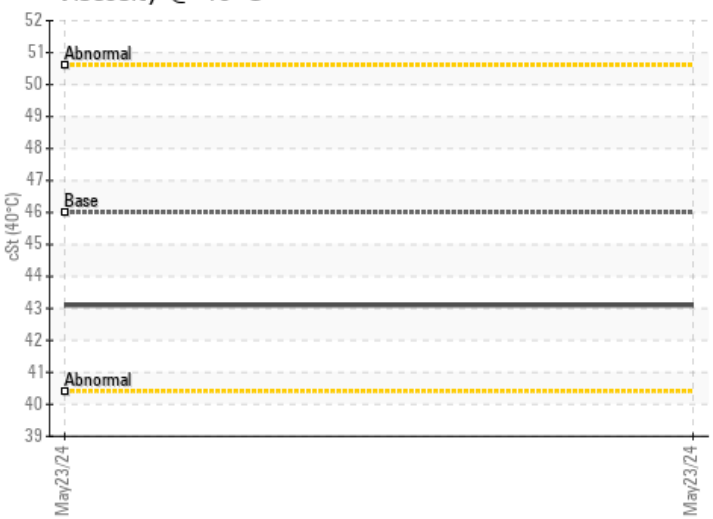
Non-ferrous Metals



Particle Count



Viscosity @ 40°C



Acid Number