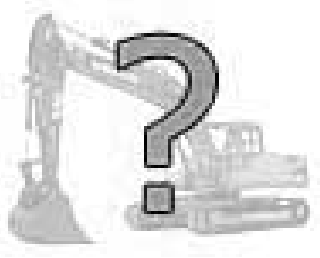
CONSTRUCTION EQUIPMENT

SWO-071815 NATL CEME EPIROC D60-10 TMG22SED0210 - HYDRAULIC SYSTEM

Sample No: VCP453745
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWO-071815 NATL CEME



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BIRMINGHAM, AL
US 35217
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T:
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SAMPLE INFORMATION

Sample Number		**VCP453745**	---	---	---
Sample Date		**15 May 2024**	---	---	---
Machine Hours		**1974**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Changed**	---	---	---
Sample Status		**ATTENTION**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**44.9**	---	---	---
Acid Number (AN)	mg KOH/g	**0.45**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**8656**	---	---	---
Particles >6µm		**1836**	---	---	---
Particles >14µm		**41**	---	---	---
ISO 4406:1999 (c)		**20/18/13**	---	---	---
Silicon	ppm	**<1**	---	---	---
Sodium	ppm	**<1**	---	---	---
Potassium	ppm	**0**	---	---	---

WEAR METALS

Iron	ppm	**4**	---	---	---
Copper	ppm	**1**	---	---	---
Lead	ppm	**0**	---	---	---
Tin	ppm	**0**	---	---	---
Aluminum	ppm	**<1**	---	---	---
Chromium	ppm	**0**	---	---	---
Molybdenum	ppm	**<1**	---	---	---
Nickel	ppm	**0**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**0**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**45**	---	---	---
Magnesium	ppm	**4**	---	---	---
Zinc	ppm	**368**	---	---	---
Phosphorus	ppm	**275**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**0**	---	---	---

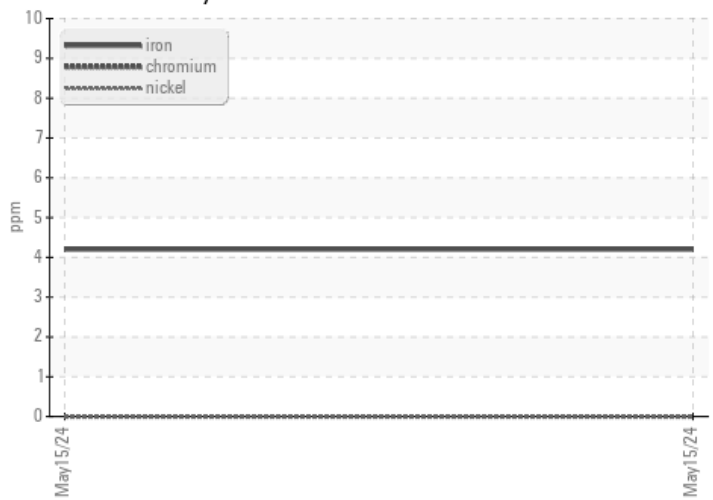
Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.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.

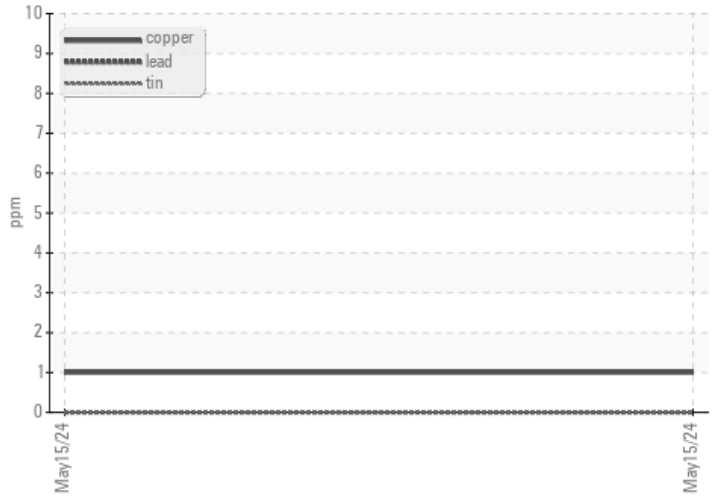
Depot: VOLVO8528
Unique No: 11035537
Signed: Wes Davis
Report Date: 21 May 2024

GRAPHS

Ferrous Alloys

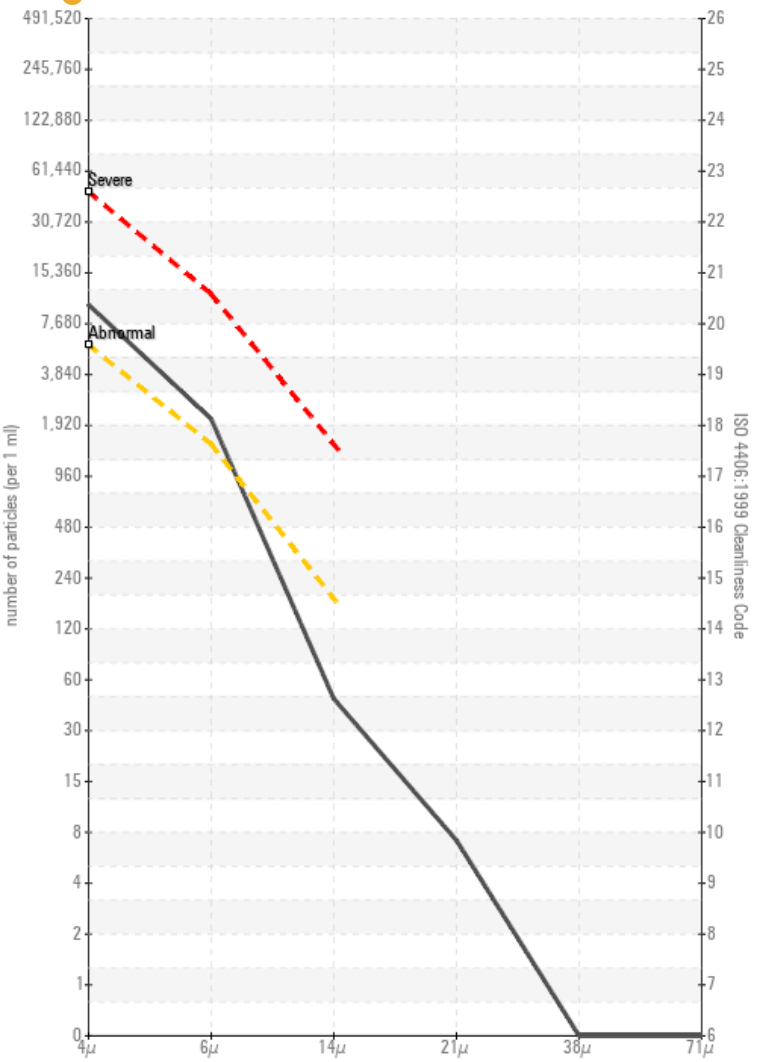


Non-ferrous Metals



Viscosity @ 40°C

Particle Count



Acid Number