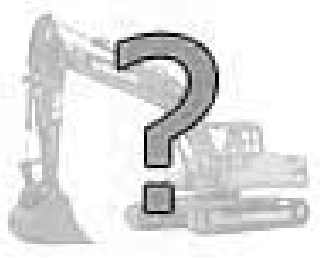
CONSTRUCTION EQUIPMENT

SWA526801 ALTER TRAD SENNEBOGEN 825 825.0.3662 - HYDRAULIC SYSTEM

Sample No: VCP438895
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA526801 ALTER TRAD



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T: (309)255-6706
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SAMPLE INFORMATION

Sample Number		**VCP438895**	---	---	---
Sample Date		**17 Apr 2024**	---	---	---
Machine Hours		**3968**	---	---	---
Oil Hours		**4000**	---	---	---
Oil Changed		**Changed**	---	---	---
Sample Status		**ATTENTION**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**35.3**	---	---	---
Acid Number (AN)	mg KOH/g	**1.05**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**4777**	---	---	---
Particles >6µm		**1222**	---	---	---
Particles >14µm		**71**	---	---	---
ISO 4406:1999 (c)		**19/17/13**	---	---	---
Silicon	ppm	**3**	---	---	---
Sodium	ppm	**5**	---	---	---
Potassium	ppm	**2**	---	---	---

WEAR METALS

Iron	ppm	**7**	---	---	---
Copper	ppm	**3**	---	---	---
Lead	ppm	**2**	---	---	---
Tin	ppm	**<1**	---	---	---
Aluminum	ppm	**2**	---	---	---
Chromium	ppm	**<1**	---	---	---
Molybdenum	ppm	**<1**	---	---	---
Nickel	ppm	**<1**	---	---	---
Titanium	ppm	**<1**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**<1**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**1061**	---	---	---
Magnesium	ppm	**5**	---	---	---
Zinc	ppm	**632**	---	---	---
Phosphorus	ppm	**566**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**0**	---	---	---

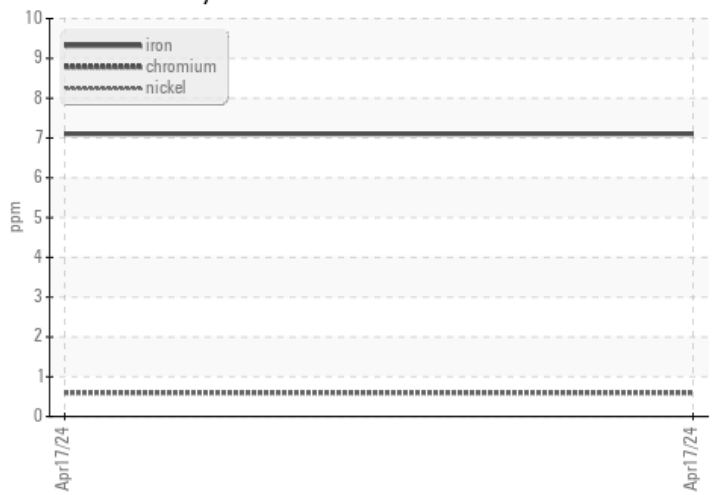
Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The AN level is acceptable for this fluid.

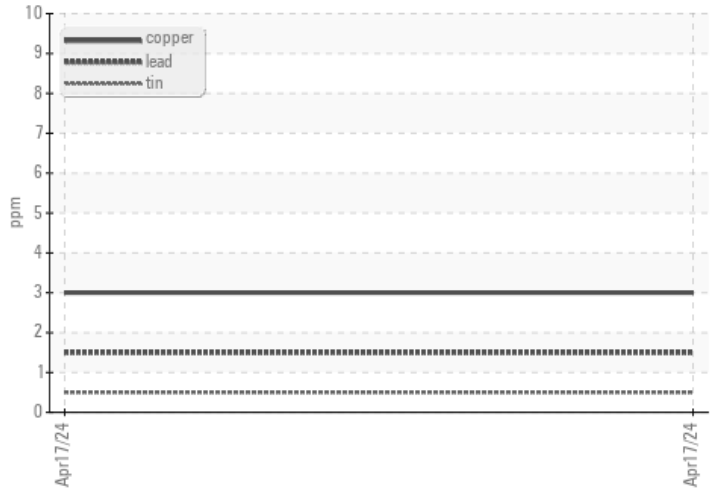
Depot: VOLVO5054
Unique No: 10993857
Signed: Don Baldridge
Report Date: 25 Apr 2024

GRAPHS

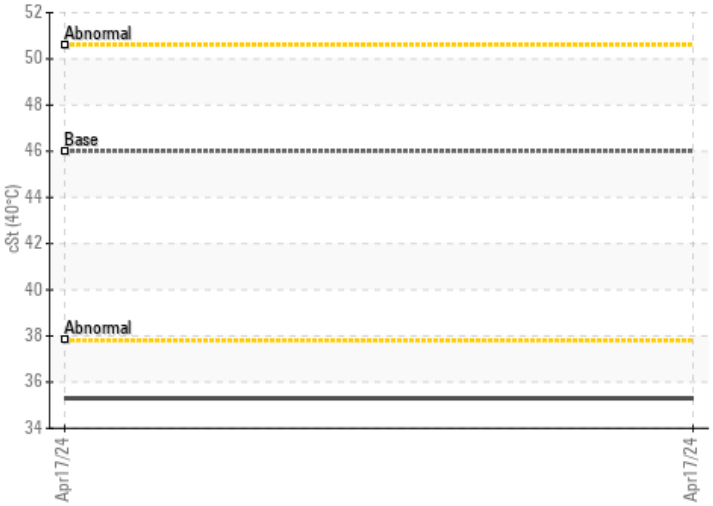
Ferrous Alloys



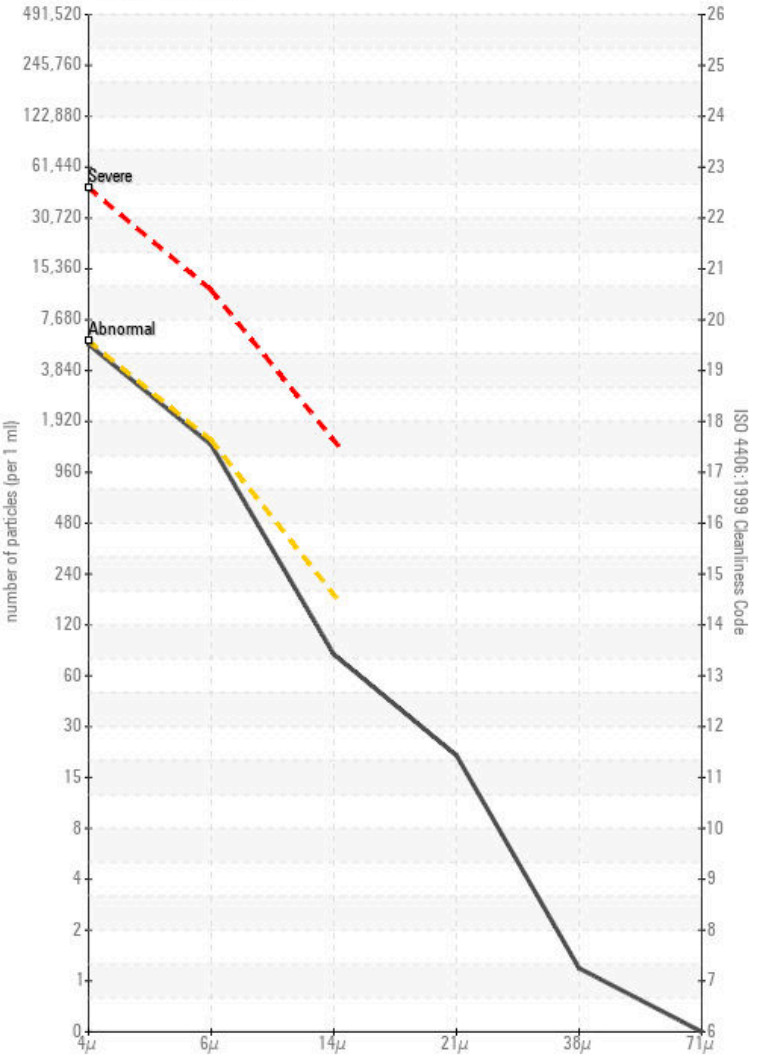
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number