CONSTRUCTION EQUIPMENT

SVC54184 JOHN BILDA VOLVO EC35 8317686 - HYDRAULIC SYSTEM

Sample No: VCP453885
Oil Type: VOLVO AW 42
Job No: SVC54184 JOHN BILDA

TYLER EQUIPMENT CORPORATION
1980 BERLIN TURNPIKE
BERLIN, CT
US 06037
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SAMPLE INFORMATION

Sample Number		**VCP453885**	---	---	---
Sample Date		**20 May 2024**	---	---	---
Machine Hours		**3276**	---	---	---
Oil Hours		**2000**	---	---	---
Oil Changed		**N/A**	---	---	---
Sample Status		**NORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**43.8**	---	---	---
Acid Number (AN)	mg KOH/g	**0.96**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**6062**	---	---	---
Particles >6µm		**372**	---	---	---
Particles >14µm		**19**	---	---	---
ISO 4406:1999 (c)		**20/16/11**	---	---	---
Silicon	ppm	**12**	---	---	---
Sodium	ppm	**3**	---	---	---
Potassium	ppm	**0**	---	---	---

WEAR METALS

Iron	ppm	**5**	---	---	---
Copper	ppm	**1**	---	---	---
Lead	ppm	**0**	---	---	---
Tin	ppm	**0**	---	---	---
Aluminum	ppm	**2**	---	---	---
Chromium	ppm	**0**	---	---	---
Molybdenum	ppm	**0**	---	---	---
Nickel	ppm	**0**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**<1**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**4107**	---	---	---
Magnesium	ppm	**20**	---	---	---
Zinc	ppm	**1005**	---	---	---
Phosphorus	ppm	**869**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**4**	---	---	---

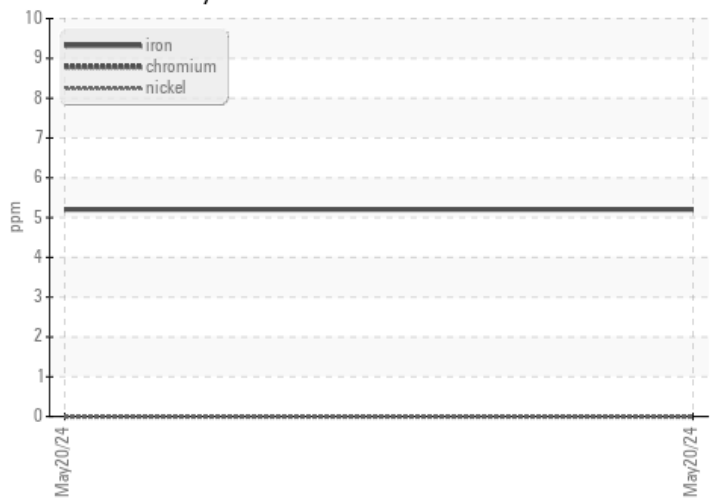
Diagnosis

Resample at the next service interval to monitor. (main control valve issue).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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

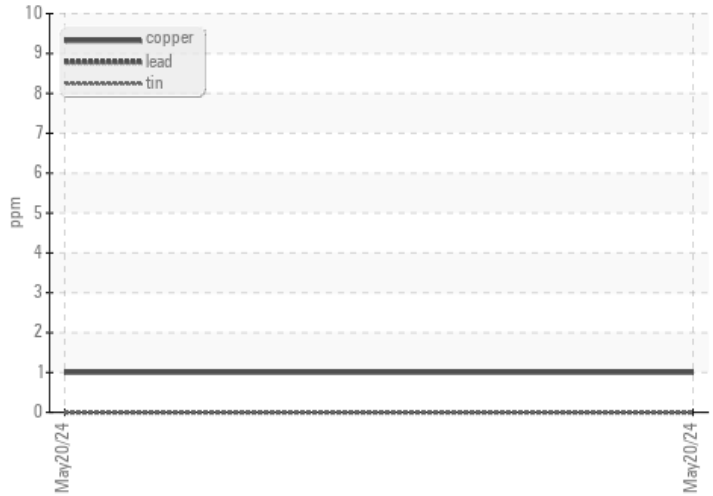
Depot: VOLVO0005
Unique No: 11047733
Signed: Don Baldridge
Report Date: 30 May 2024

GRAPHS

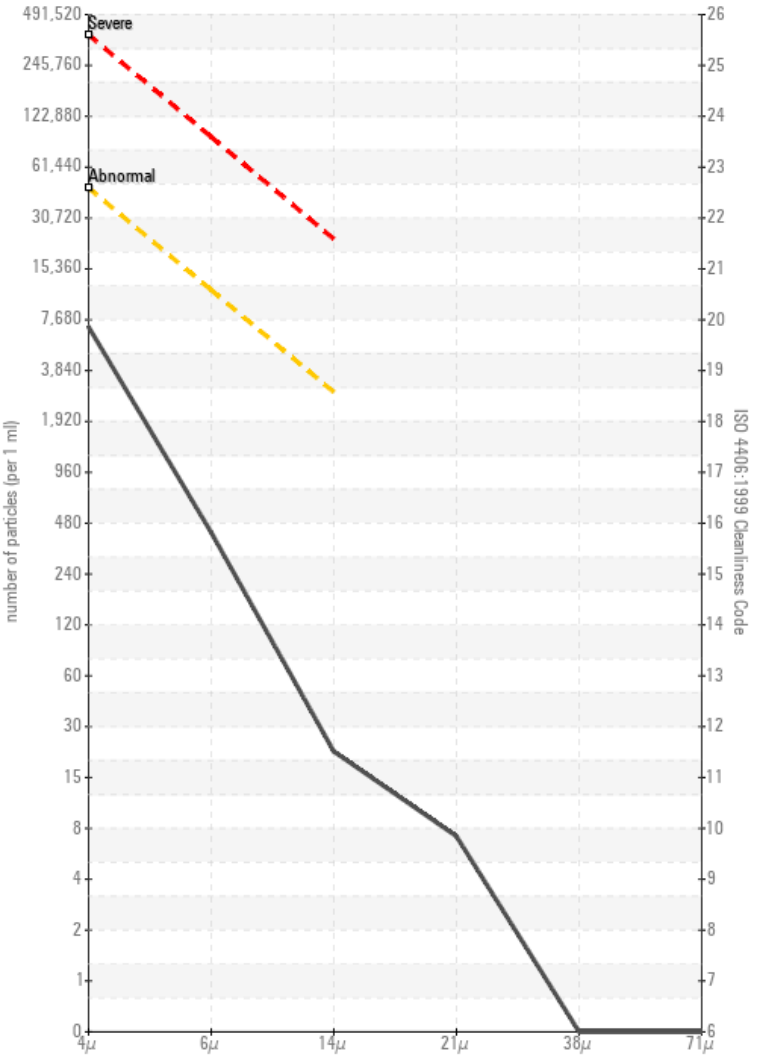
Ferrous Alloys



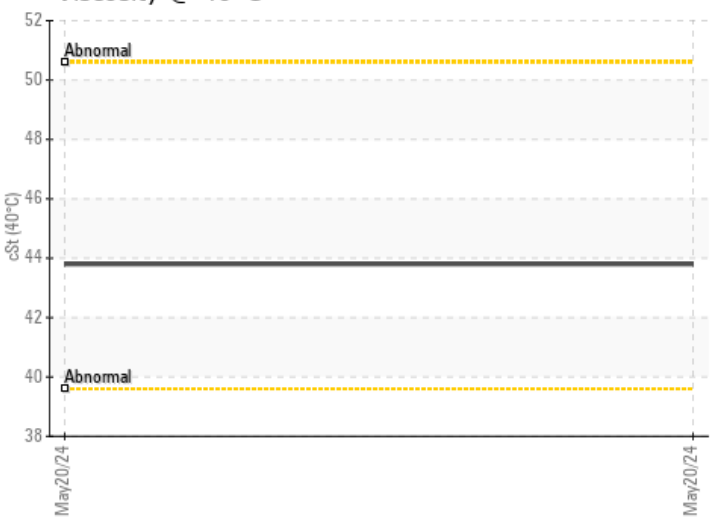
Non-ferrous Metals



Particle Count



Viscosity @ 40°C



Acid Number