CONSTRUCTION EQUIPMENT
VOLVO E350 310458 - HYDRAULIC SYSTEM

Sample No: VCP417657
Oil Type: VOLVO HYDRAULIC OIL ULTRA 46
Job No:

SAMPLE INFORMATION

Sample Number		**VCP417657**	---	---	---
Sample Date		**08 Aug 2023**	---	---	---
Machine Hours		**6575**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Not Changd**	---	---	---
Sample Status		**ABNORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**44.1**	---	---	---
Acid Number (AN)	mg KOH/g	**0.38**	---	---	---

CONTAMINATION

Particles >4µm		**18041**	---	---	---
Particles >6µm		**3277**	---	---	---
Particles >14µm		**171**	---	---	---
ISO 4406:1999 (c)		**21/19/15**	---	---	---
Silicon	ppm	**3**	---	---	---
Sodium	ppm	**1**	---	---	---
Potassium	ppm	**<1**	---	---	---

WEAR METALS

Iron	ppm	**2**	---	---	---
Copper	ppm	**6**	---	---	---
Lead	ppm	**0**	---	---	---
Tin	ppm	**0**	---	---	---
Aluminum	ppm	**<1**	---	---	---
Chromium	ppm	**0**	---	---	---
Molybdenum	ppm	**2**	---	---	---
Nickel	ppm	**0**	---	---	---
Titanium	ppm	**<1**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**0**	---	---	---
Vanadium	ppm	**<1**	---	---	---

ADDITIVES

Calcium	ppm	**77**	---	---	---
Magnesium	ppm	**8**	---	---	---
Zinc	ppm	**390**	---	---	---
Phosphorus	ppm	**331**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**0**	---	---	---

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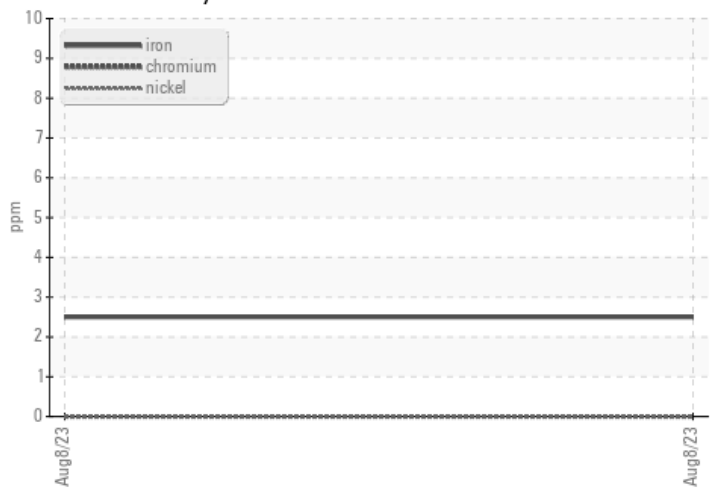
Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

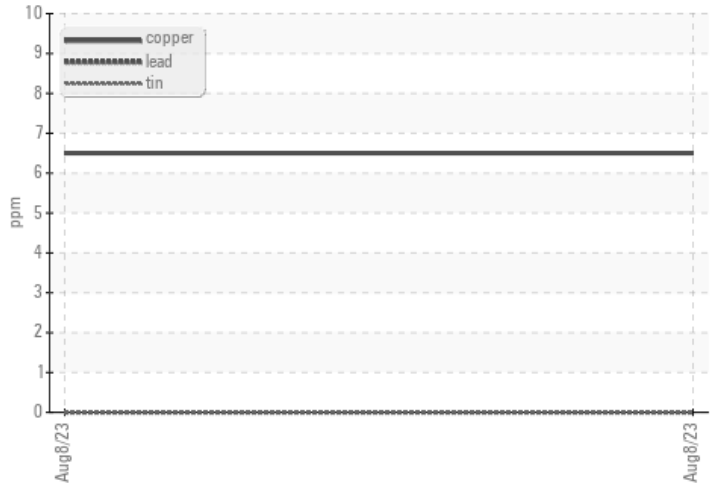
Depot: VOLVO0093
Unique No: 10609482
Signed: Wes Davis
Report Date: 22 Aug 2023

GRAPHS

Ferrous Alloys

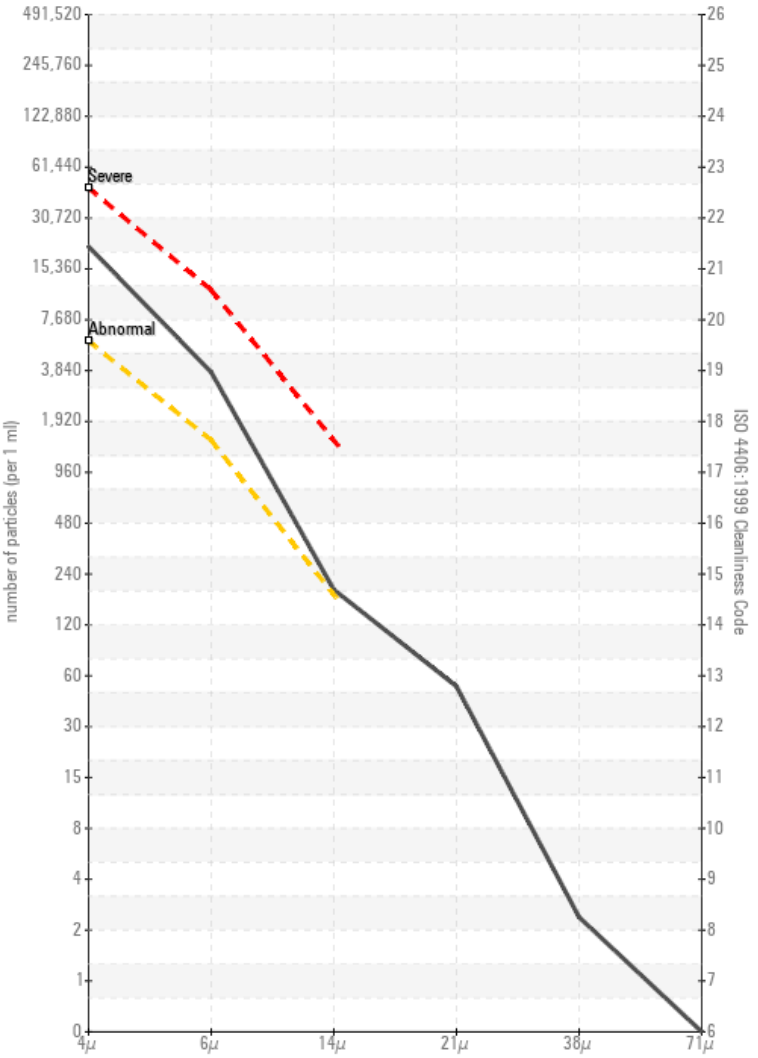


Non-ferrous Metals



Viscosity @ 40°C

Particle Count



Acid Number