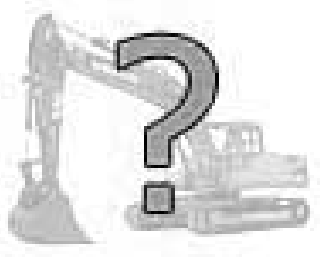
CONSTRUCTION EQUIPMENT

597440 ORLANDO CONST TAKEUCHI TL10 410007826 - HYDRAULIC SYSTEM

Sample No: VCP447382
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL SAE 10W30
Job No: 597440 ORLANDO CONST



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T: (407)508-9736
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SAMPLE INFORMATION

Sample Number		**VCP447382**	---	---	---
Sample Date		**27 Jun 2024**	---	---	---
Machine Hours		**48**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Not Changd**	---	---	---
Sample Status		**ABNORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**59.4**	---	---	---
Acid Number (AN)	mg KOH/g	**0.93**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**17492**	---	---	---
Particles >6µm		**3620**	---	---	---
Particles >14µm		**477**	---	---	---
ISO 4406:1999 (c)		**21/19/16**	---	---	---
Silicon	ppm	**8**	---	---	---
Sodium	ppm	**<1**	---	---	---
Potassium	ppm	**<1**	---	---	---

WEAR METALS

Iron	ppm	**<1**	---	---	---
Copper	ppm	**2**	---	---	---
Lead	ppm	**0**	---	---	---
Tin	ppm	**<1**	---	---	---
Aluminum	ppm	**<1**	---	---	---
Chromium	ppm	**0**	---	---	---
Molybdenum	ppm	**12**	---	---	---
Nickel	ppm	**0**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**<1**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**3547**	---	---	---
Magnesium	ppm	**13**	---	---	---
Zinc	ppm	**765**	---	---	---
Phosphorus	ppm	**667**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**13**	---	---	---

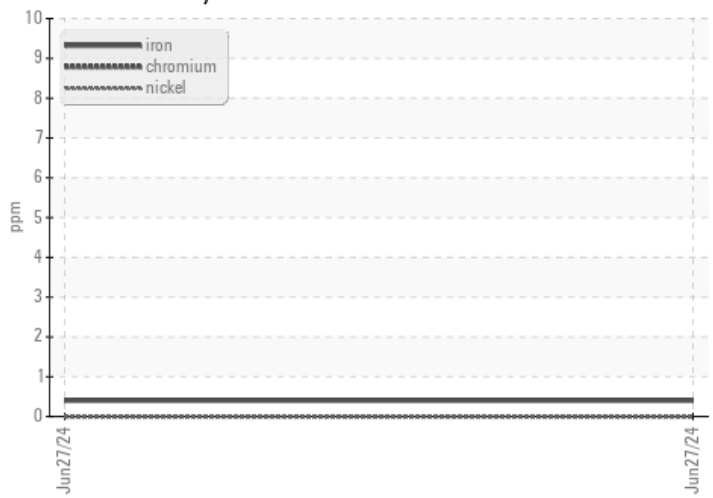
Diagnosis

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 high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

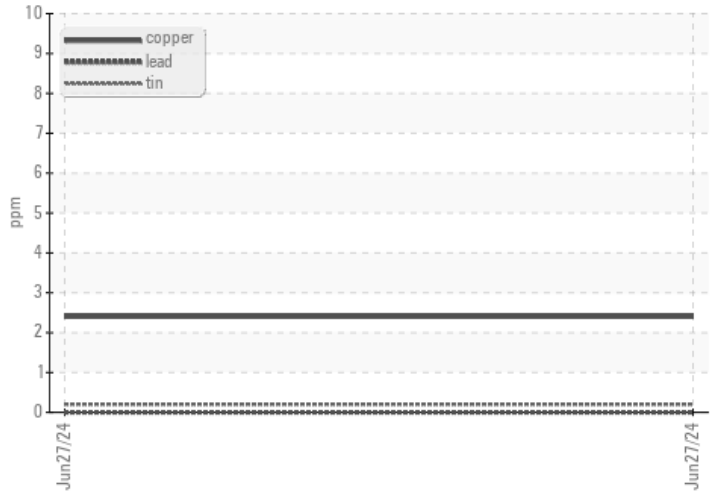
Depot: VOLVO0096
Unique No: 11111967
Signed: Jonathan Hester
Report Date: 08 Jul 2024

GRAPHS

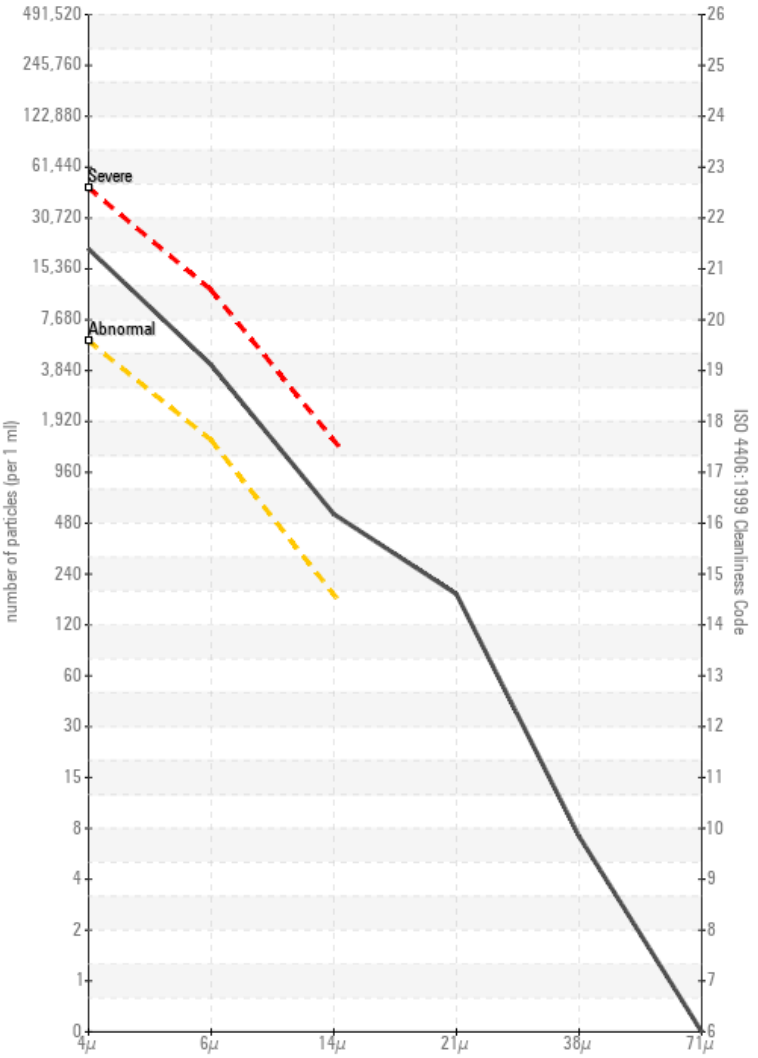
Ferrous Alloys



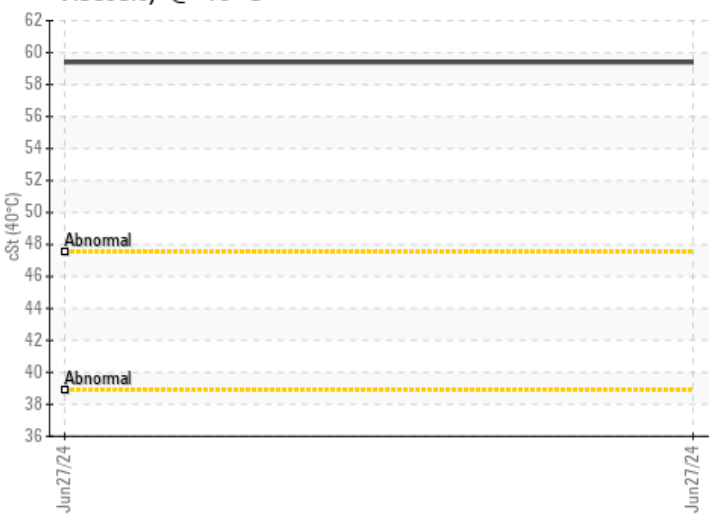
Non-ferrous Metals



Particle Count



Viscosity @ 40°C



Acid Number