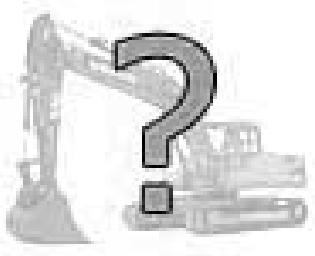
CONSTRUCTION EQUIPMENT
ASTEC GT4280 225286 - HYDRAULIC SYSTEM

Sample No: VCP437590
Oil Type: FACTORY
Job No:



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US 33905
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T:
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SAMPLE INFORMATION

Sample Number		**VCP437590**	---	---	---
Sample Date		**26 Feb 2024**	---	---	---
Machine Hours		**469**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Not Changd**	---	---	---
Sample Status		**ABNORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**31.4**	---	---	---
Acid Number (AN)	mg KOH/g	**0.45**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**32520**	---	---	---
Particles >6µm		**3990**	---	---	---
Particles >14µm		**145**	---	---	---
ISO 4406:1999 (c)		**22/19/14**	---	---	---
Silicon	ppm	**47**	---	---	---
Sodium	ppm	**2**	---	---	---
Potassium	ppm	**0**	---	---	---

WEAR METALS

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

ADDITIVES

Calcium	ppm	**5**	---	---	---
Magnesium	ppm	**0**	---	---	---
Zinc	ppm	**382**	---	---	---
Phosphorus	ppm	**306**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**0**	---	---	---

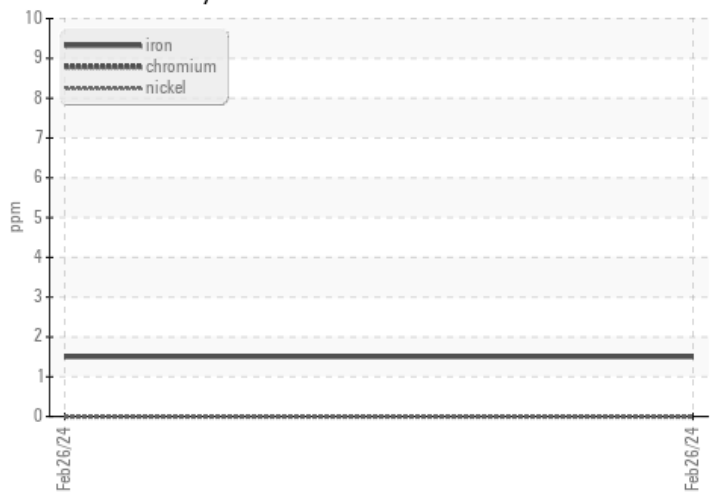
Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

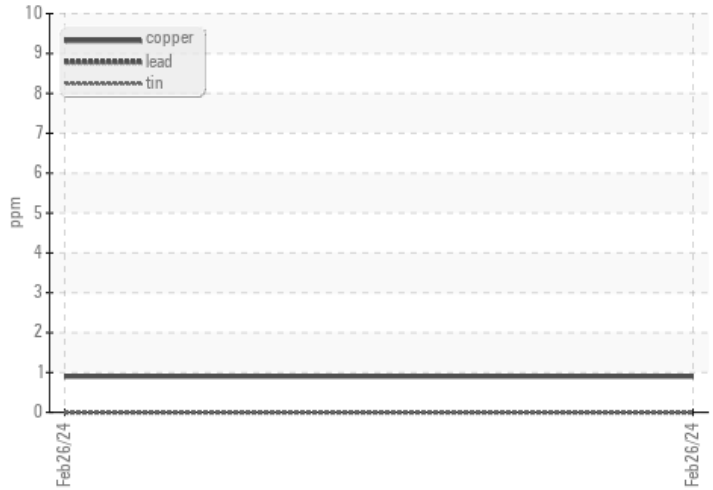
Depot: VOLVO0090
Unique No: 10903364
Signed: Don Baldridge
Report Date: 04 Mar 2024

GRAPHS

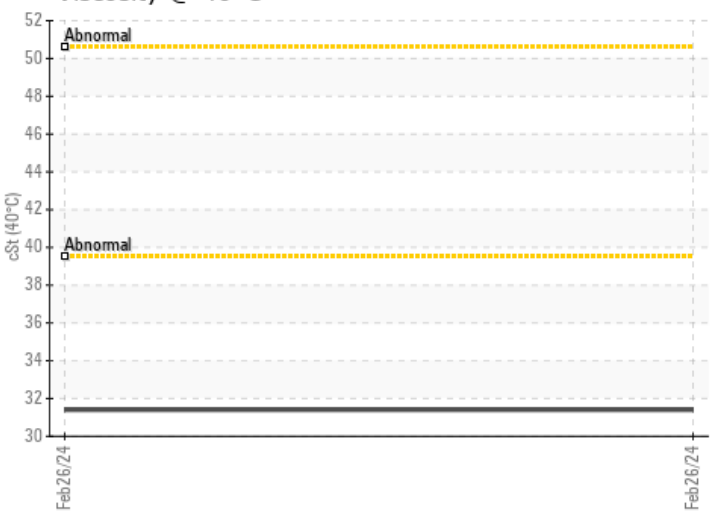
Ferrous Alloys



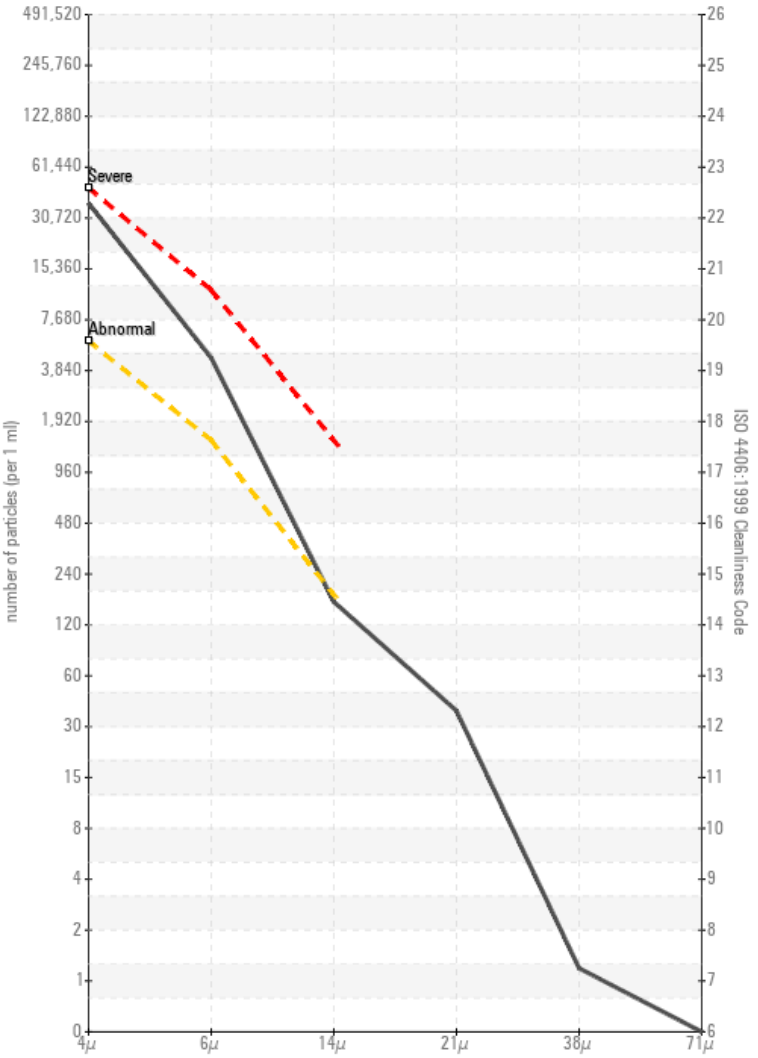
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number