CONSTRUCTION EQUIPMENT

STANLEY VOLVO ECR145E 314461 - HYDRAULIC SYSTEM

Sample No: VCP447904
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: STANLEY

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
1345 MOUNTAIN ROAD
GLEN ALLEN, VA
US 23060
Contact: KYLE RATLIFFE
KRATLIFFE@MCCLUNG-LOGAN.COM
T:
F: (804)266-1611

SAMPLE INFORMATION

Sample Number		**VCP447904**	---	---	---
Sample Date		**17 Jan 2024**	---	---	---
Machine Hours		**1919**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Changed**	---	---	---
Sample Status		**NORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**39.6**	---	---	---
Acid Number (AN)	mg KOH/g	**0.37**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**10533**	---	---	---
Particles >6µm		**255**	---	---	---
Particles >14µm		**12**	---	---	---
ISO 4406:1999 (c)		**21/15/11**	---	---	---
Silicon	ppm	**20**	---	---	---
Sodium	ppm	**0**	---	---	---
Potassium	ppm	**2**	---	---	---

WEAR METALS

Iron	ppm	**7**	---	---	---
Copper	ppm	**24**	---	---	---
Lead	ppm	**<1**	---	---	---
Tin	ppm	**<1**	---	---	---
Aluminum	ppm	**2**	---	---	---
Chromium	ppm	**<1**	---	---	---
Molybdenum	ppm	**2**	---	---	---
Nickel	ppm	**<1**	---	---	---
Titanium	ppm	**<1**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**<1**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**116**	---	---	---
Magnesium	ppm	**25**	---	---	---
Zinc	ppm	**420**	---	---	---
Phosphorus	ppm	**365**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**<1**	---	---	---

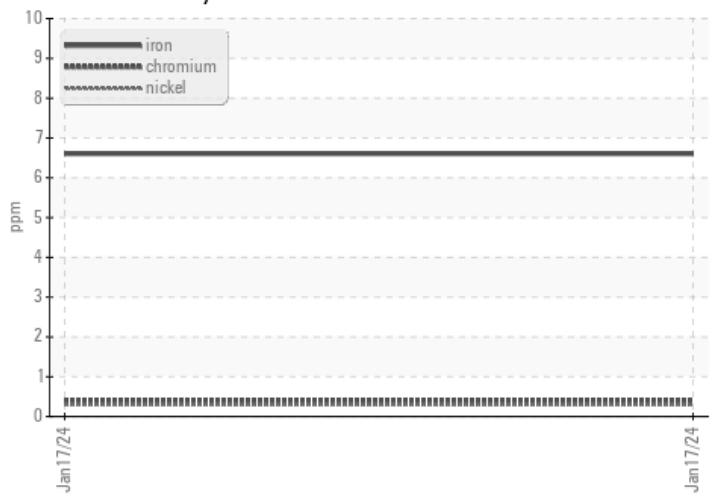
Diagnosis

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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

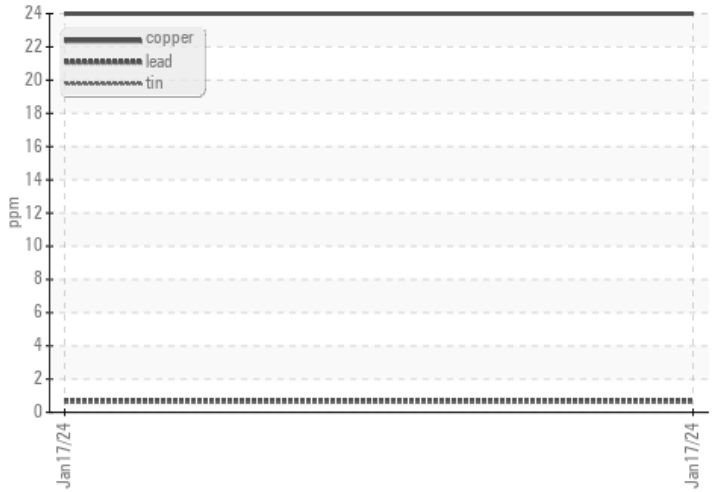
Depot: VOLVO8882
Unique No: 10844284
Signed: Don Baldridge
Report Date: 24 Jan 2024

GRAPHS

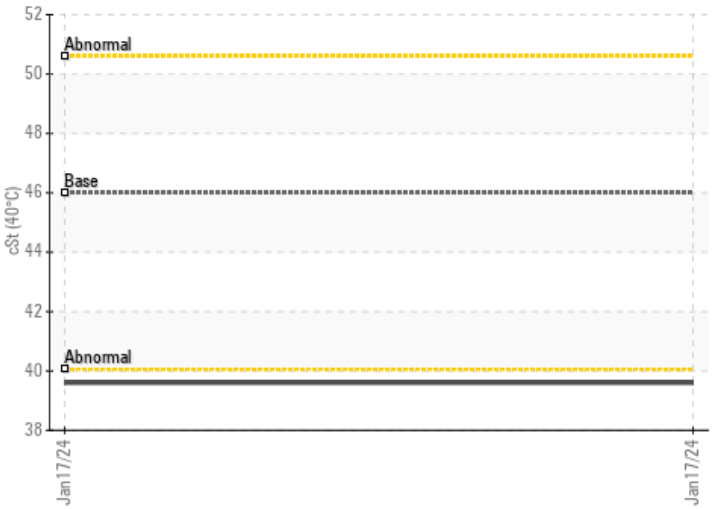
Ferrous Alloys



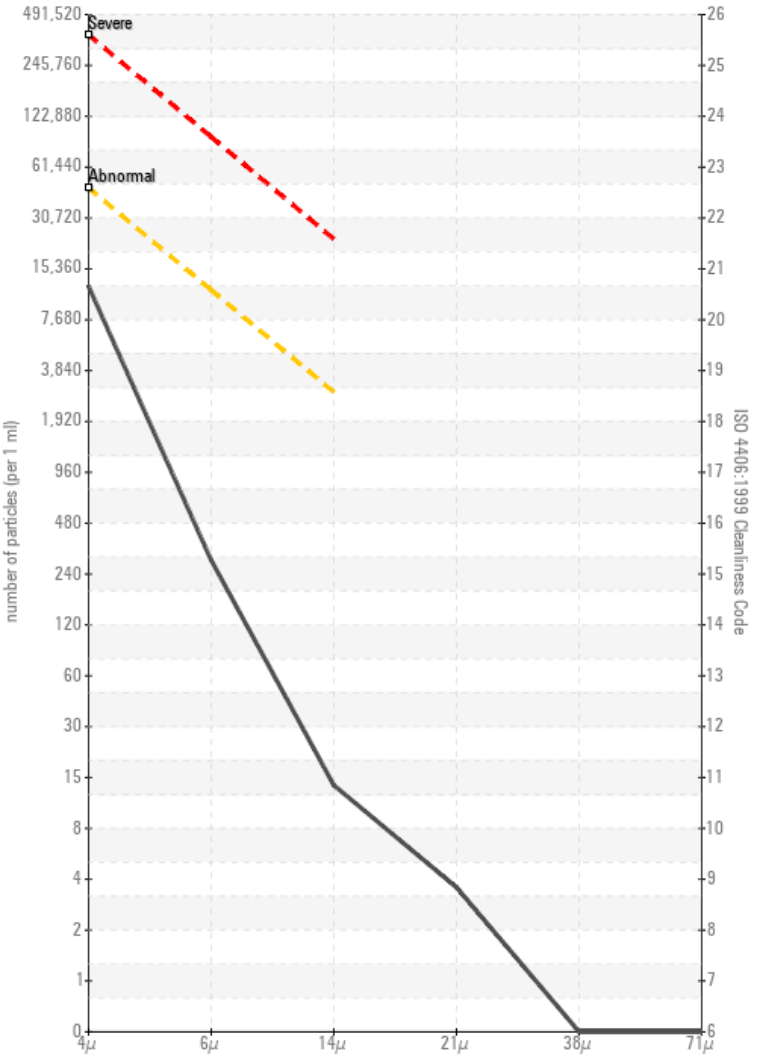
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number