CONSTRUCTION EQUIPMENT

W07013376-1 AM HARDW VOLVO L90H 623857 - HYDRAULIC SYSTEM

Sample No: VCP418141
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: W07013376-1 AM HARDW

McClung-Logan Virginia LLC- RICHMOND
1345 MOUNTAIN ROAD
GLEN ALLEN, VA
US 23060
Contact: KYLE RATLIFFE
KRATLIFFE@MCCLUNG-LOGAN.COM
T:
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SAMPLE INFORMATION

Sample Number		**VCP418141**	---	---	---
Sample Date		**30 Aug 2023**	---	---	---
Machine Hours		**12875**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Changed**	---	---	---
Sample Status		**ABNORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**44.5**	---	---	---
Acid Number (AN)	mg KOH/g	**0.42**	---	---	---

CONTAMINATION

Particles >4µm		**28584**	---	---	---
Particles >6µm		▲ **4780**	---	---	---
Particles >14µm		▲ **220**	---	---	---
ISO 4406:1999 (c)		**22/19/15**	---	---	---
Silicon	ppm	**1**	---	---	---
Sodium	ppm	**0**	---	---	---
Potassium	ppm	**<1**	---	---	---

WEAR METALS

Iron	ppm	**3**	---	---	---
Copper	ppm	**1**	---	---	---
Lead	ppm	**<1**	---	---	---
Tin	ppm	**0**	---	---	---
Aluminum	ppm	**0**	---	---	---
Chromium	ppm	**0**	---	---	---
Molybdenum	ppm	**2**	---	---	---
Nickel	ppm	**0**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**0**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**337**	---	---	---
Magnesium	ppm	**16**	---	---	---
Zinc	ppm	**516**	---	---	---
Phosphorus	ppm	**395**	---	---	---
Barium	ppm	**2**	---	---	---
Boron	ppm	**9**	---	---	---

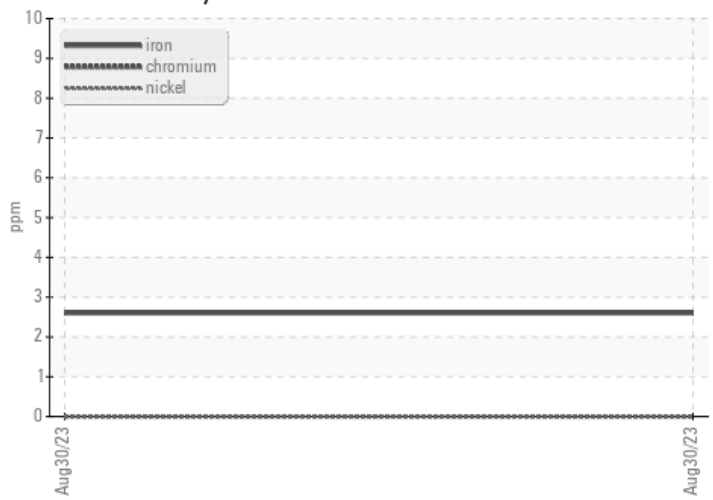
Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of particulates (2 to 100 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.

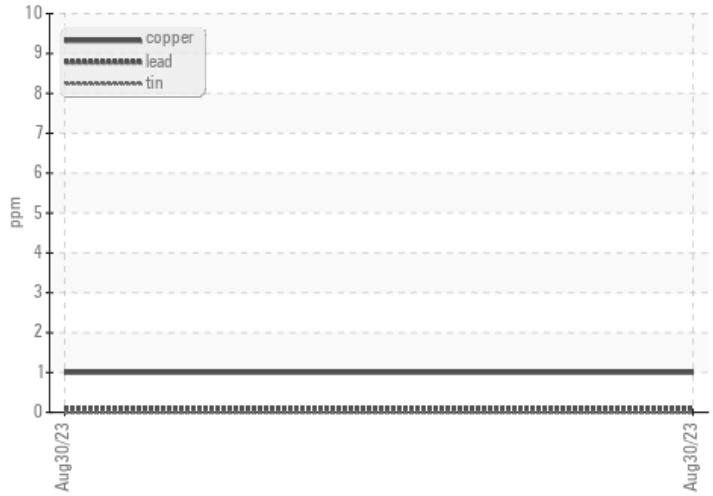
Depot: VOLVO8882
Unique No: 10632714
Signed: Wes Davis
Report Date: 06 Sep 2023

GRAPHS

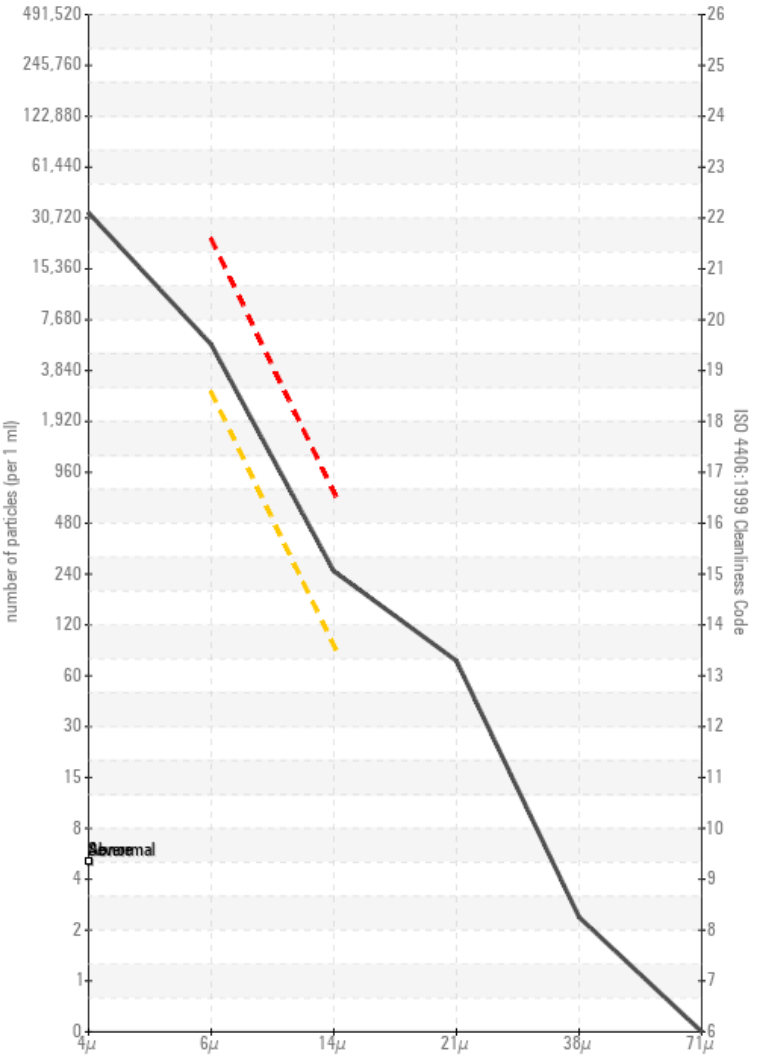
Ferrous Alloys



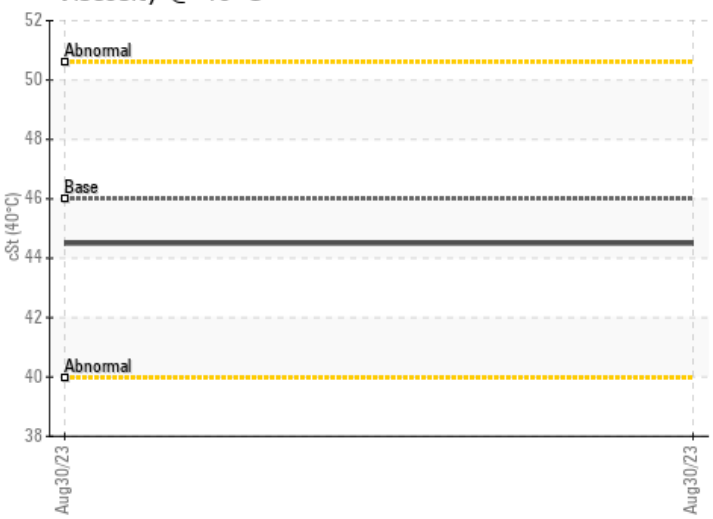
Non-ferrous Metals



Particle Count



Viscosity @ 40°C



Acid Number