CONSTRUCTION EQUIPMENT

94781 VOLVO EC480EL 314022 - HYDRAULIC SYSTEM

Sample No: VCP368104
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 94781

ALTA EQUIPMENT
5985 COURT STREET ROAD
SYRACUSE, NY
US 13206
Contact: JIM STRIGLE
JIM.STRIGLE@ALTG.COM
T: (315)437-2611
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SAMPLE INFORMATION

Sample Number		**VCP368104**	---	---	---
Sample Date		**07 Nov 2022**	---	---	---
Machine Hours		**3502**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Changed**	---	---	---
Sample Status		**ABNORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**44.0**	---	---	---
Acid Number (AN)	mg KOH/g	**0.41**	---	---	---

CONTAMINATION

Particles >4µm		▲ **92273**	---	---	---
Particles >6µm		**6465**	---	---	---
Particles >14µm		**22**	---	---	---
ISO 4406:1999 (c)		**24/20/12**	---	---	---
Silicon	ppm	**4**	---	---	---
Sodium	ppm	**0**	---	---	---
Potassium	ppm	**2**	---	---	---

WEAR METALS

Iron	ppm	**12**	---	---	---
Copper	ppm	**37**	---	---	---
Lead	ppm	**<1**	---	---	---
Tin	ppm	**2**	---	---	---
Aluminum	ppm	**1**	---	---	---
Chromium	ppm	**2**	---	---	---
Molybdenum	ppm	**<1**	---	---	---
Nickel	ppm	**0**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**<1**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**138**	---	---	---
Magnesium	ppm	**6**	---	---	---
Zinc	ppm	**513**	---	---	---
Phosphorus	ppm	**356**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**2**	---	---	---

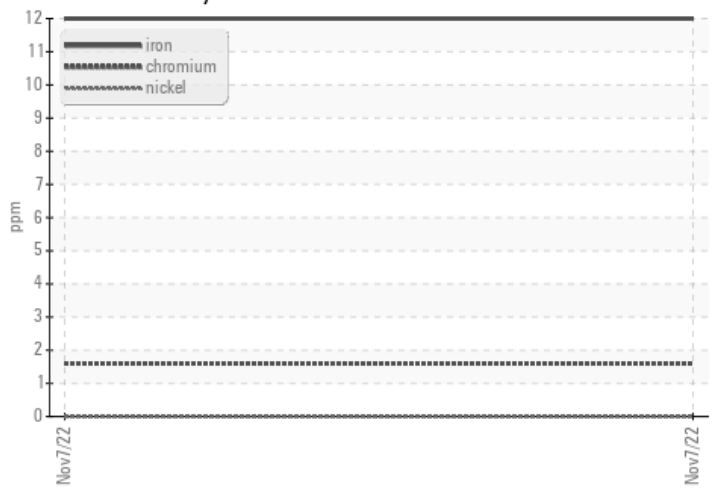
Diagnosis

Oil and 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 silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO0142
Unique No: 10214696
Signed: Don Baldridge
Report Date: 11 Nov 2022

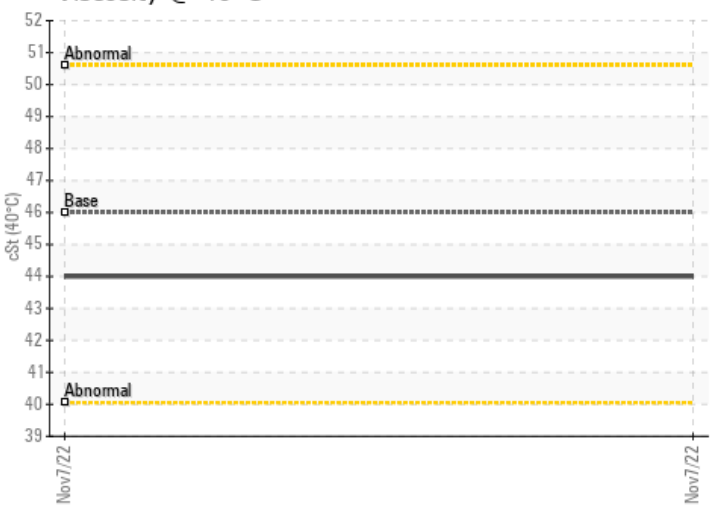
GRAPHS

Ferrous Alloys

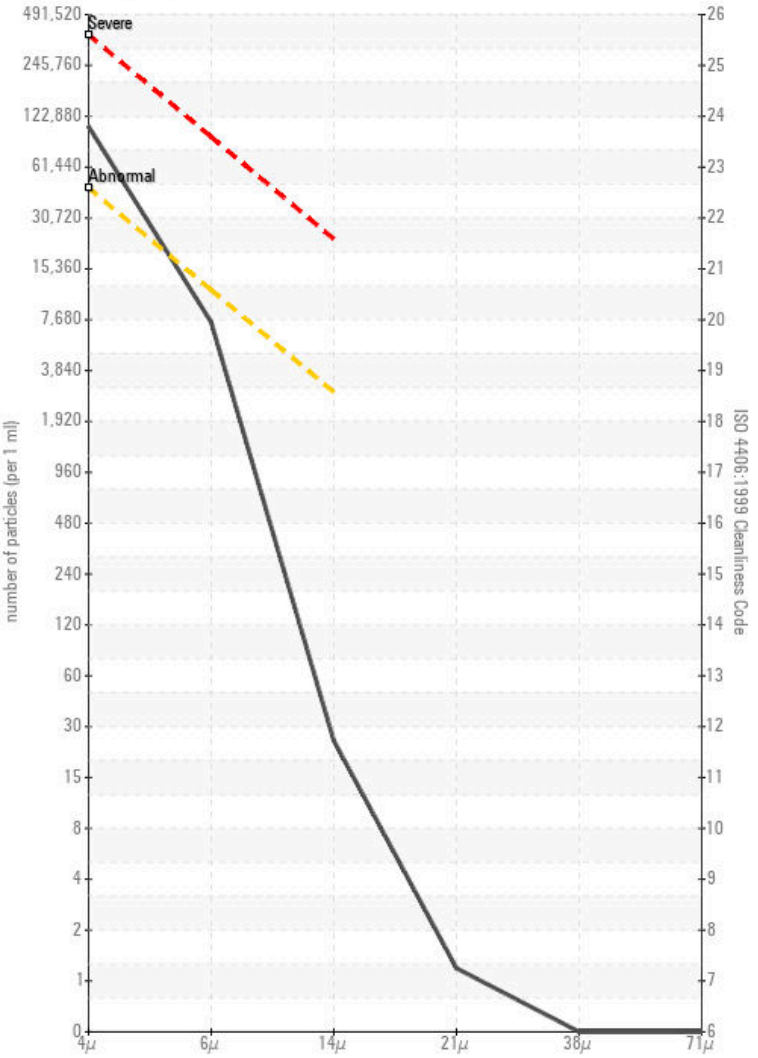


Non-ferrous Metals

Viscosity @ 40°C



Particle Count



Acid Number