CONSTRUCTION EQUIPMENT
562094 COVANTA VOLVO L220H 3339 - HYDRAULIC SYSTEM

Sample No: VCP450786
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 562094 COVANTA

ALTA EQUIPMENT COMPANY
5210 REESE ROAD
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SAMPLE INFORMATION

Sample Number		**VCP450786**	---	---	---
Sample Date		**21 May 2024**	---	---	---
Machine Hours		**9447**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Changed**	---	---	---
Sample Status		**ABNORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**44.3**	---	---	---
Acid Number (AN)	mg KOH/g	**0.41**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**16930**	---	---	---
Particles >6µm		**254**	---	---	---
Particles >14µm		**8**	---	---	---
ISO 4406:1999 (c)		**21/15/10**	---	---	---
Silicon	ppm	**2**	---	---	---
Sodium	ppm	**0**	---	---	---
Potassium	ppm	**<1**	---	---	---

WEAR METALS

Iron	ppm	**7**	---	---	---
Copper	ppm	**2**	---	---	---
Lead	ppm	**1**	---	---	---
Tin	ppm	**<1**	---	---	---
Aluminum	ppm	**<1**	---	---	---
Chromium	ppm	**1**	---	---	---
Molybdenum	ppm	**9**	---	---	---
Nickel	ppm	**0**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**0**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**192**	---	---	---
Magnesium	ppm	**42**	---	---	---
Zinc	ppm	**542**	---	---	---
Phosphorus	ppm	**435**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**51**	---	---	---

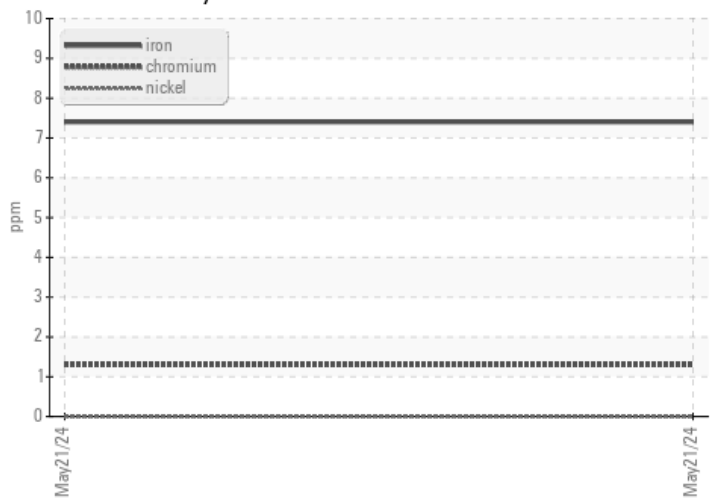
Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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.

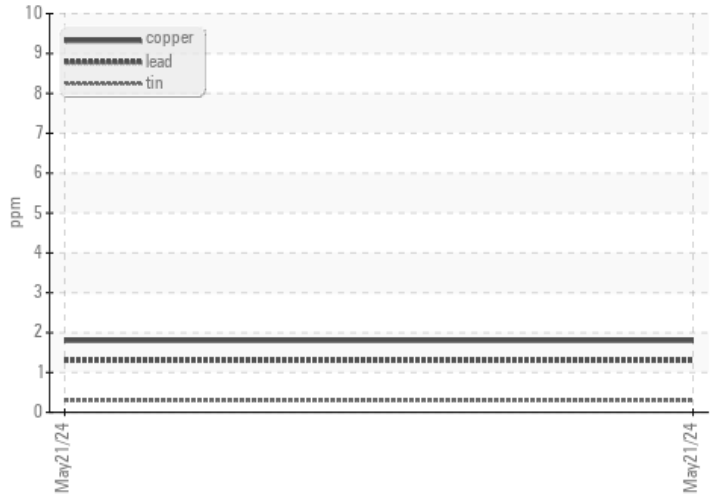
Depot: VOLVO0095
Unique No: 11057463
Signed: Don Baldridge
Report Date: 01 Jun 2024

GRAPHS

Ferrous Alloys

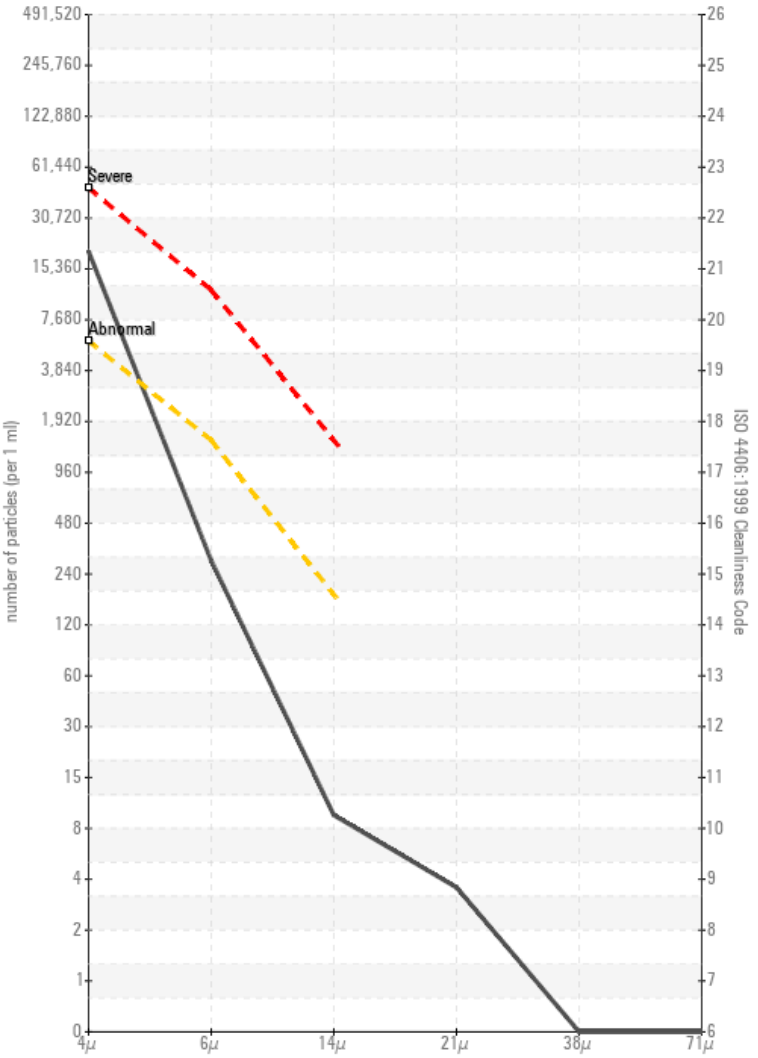


Non-ferrous Metals



Viscosity @ 40°C

Particle Count



Acid Number