CONSTRUCTION EQUIPMENT

W1218005002 TMT VOLVO L220G 12565 - HYDRAULIC SYSTEM

Sample No: VCP147881
Oil Type: {unknown}
Job No: W1218005002 TMT

ALTA EQUIPMENT
5985 COURT STREET ROAD
SYRACUSE, NY
US 13206
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SAMPLE INFORMATION

Sample Number		**VCP147881**	---	---	---
Sample Date		**02 May 2019**	---	---	---
Machine Hours		**8698**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**N/A**	---	---	---
Sample Status		**NORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**39.9**	---	---	---
Acid Number (AN)	mg KOH/g	**0.395**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**3225**	---	---	---
Particles >6µm		**629**	---	---	---
Particles >14µm		**37**	---	---	---
ISO 4406:1999 (c)		**19/16/12**	---	---	---
Silicon	ppm	**19**	---	---	---
Sodium	ppm	**2**	---	---	---
Potassium	ppm	**3**	---	---	---

WEAR METALS

Iron	ppm	**10**	---	---	---
Copper	ppm	**3**	---	---	---
Lead	ppm	**<1**	---	---	---
Tin	ppm	**0**	---	---	---
Aluminum	ppm	**8**	---	---	---
Chromium	ppm	**<1**	---	---	---
Molybdenum	ppm	**<1**	---	---	---
Nickel	ppm	**<1**	---	---	---
Titanium	ppm	**<1**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**<1**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**167**	---	---	---
Magnesium	ppm	**2**	---	---	---
Zinc	ppm	**461**	---	---	---
Phosphorus	ppm	**352**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**3**	---	---	---

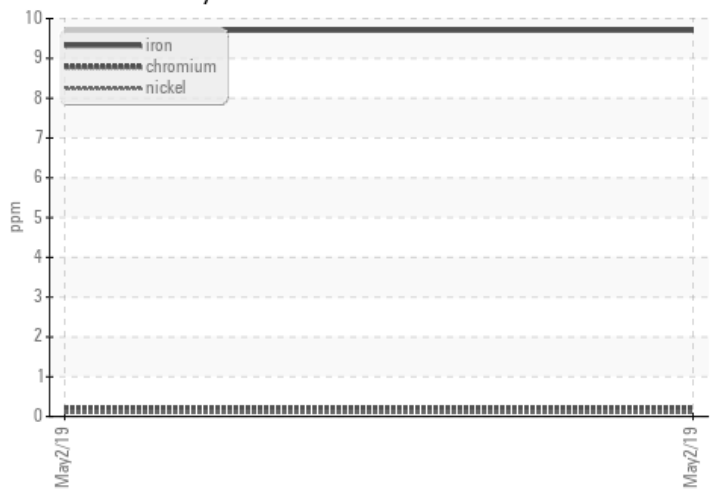
Diagnosis

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: VOLVO0142
Unique No: 8590738
Signed: Don Baldridge
Report Date: 09 May 2019

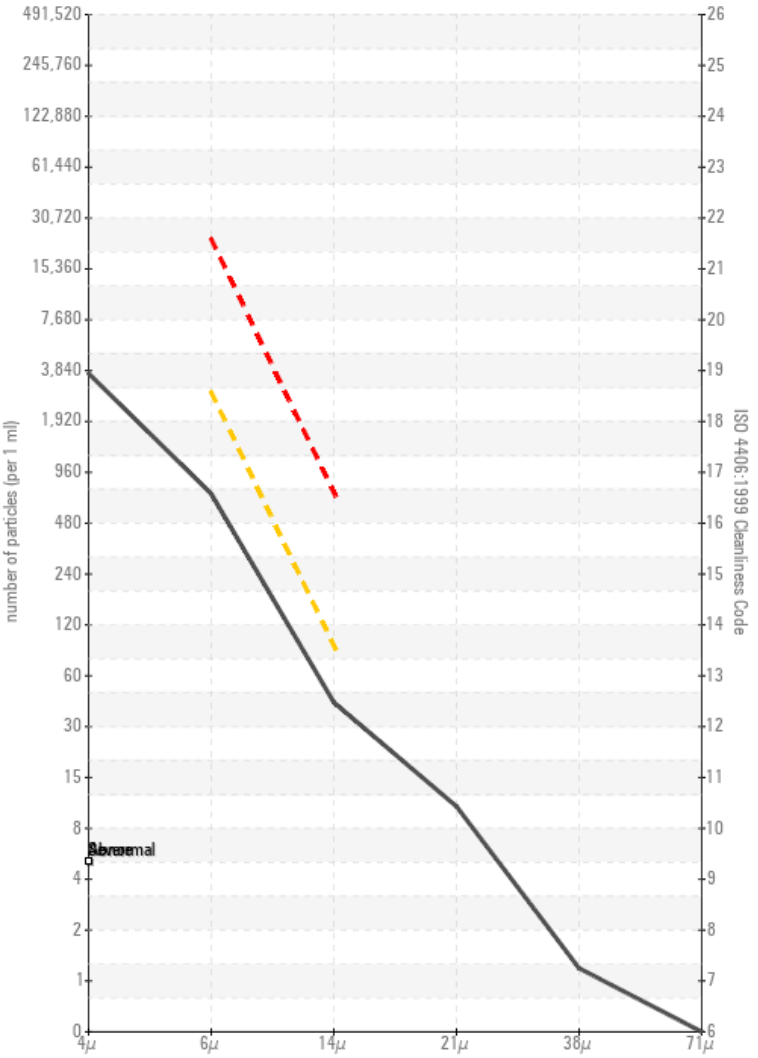
GRAPHS

Ferrous Alloys

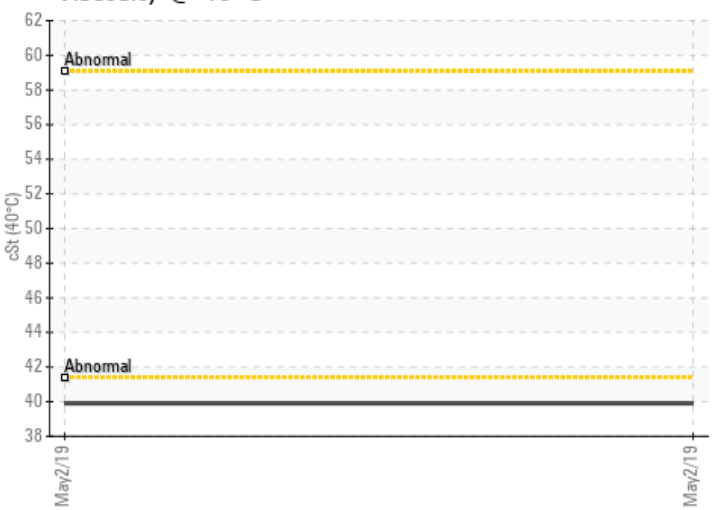


Non-ferrous Metals

Particle Count



Viscosity @ 40°C



Acid Number