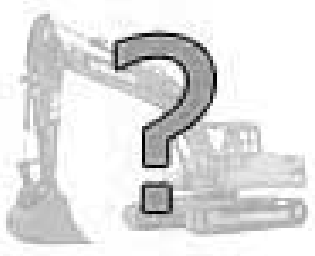
CONSTRUCTION EQUIPMENT
VOLVO L350 1138 - HYDRAULIC SYSTEM

Sample No: VCP111355
Oil Type: ISO 46
Job No:



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SAMPLE INFORMATION

Sample Number		**VCP111355**	---	---	---
Sample Date		**02 Nov 2010**	---	---	---
Machine Hours		**2589**	---	---	---
Oil Hours		**2589**	---	---	---
Oil Changed		**Changed**	---	---	---
Sample Status		**ABNORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**43.53**	---	---	---
Acid Number (AN)	mg KOH/g	**0.407**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**2051**	---	---	---
Particles >6µm		**1117**	---	---	---
Particles >14µm		**190**	---	---	---
ISO 4406:1999 (c)		**18/17/15**	---	---	---
Silicon	ppm	**4**	---	---	---
Sodium	ppm	**<1**	---	---	---
Potassium	ppm	**1**	---	---	---

WEAR METALS

Iron	ppm	**6**	---	---	---
Copper	ppm	**4**	---	---	---
Lead	ppm	**<1**	---	---	---
Tin	ppm	**0**	---	---	---
Aluminum	ppm	**1**	---	---	---
Chromium	ppm	**<1**	---	---	---
Molybdenum	ppm	**0**	---	---	---
Nickel	ppm	**<1**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**0**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**183**	---	---	---
Magnesium	ppm	**2**	---	---	---
Zinc	ppm	**438**	---	---	---
Phosphorus	ppm	**352**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**3**	---	---	---

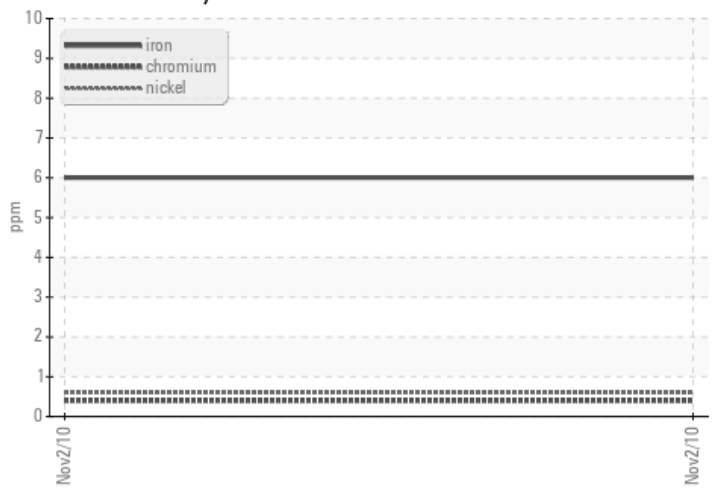
Diagnosis

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 particulates present in the oil. The condition of oil is suitable for further service.

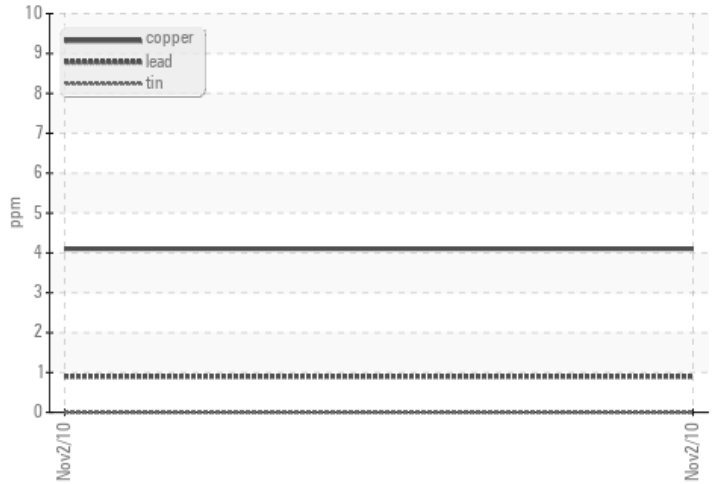
Depot: VOLVO2990
Unique No: 5380820
Signed: Jonathan Hester
Report Date: 08 Nov 2010

GRAPHS

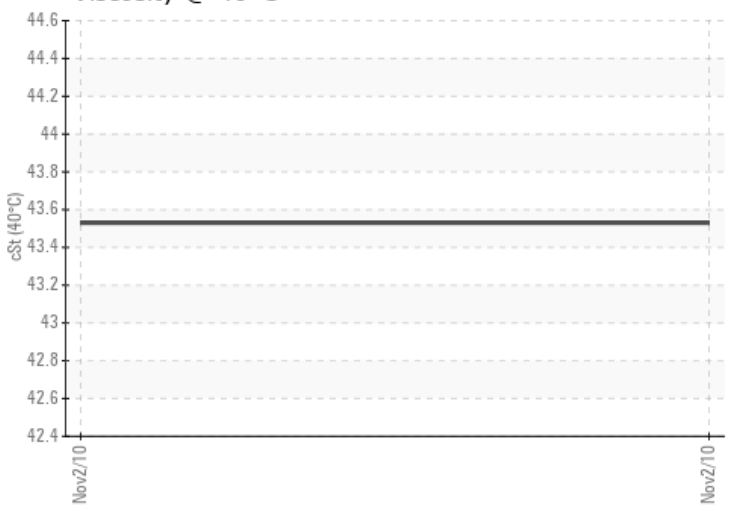
Ferrous Alloys



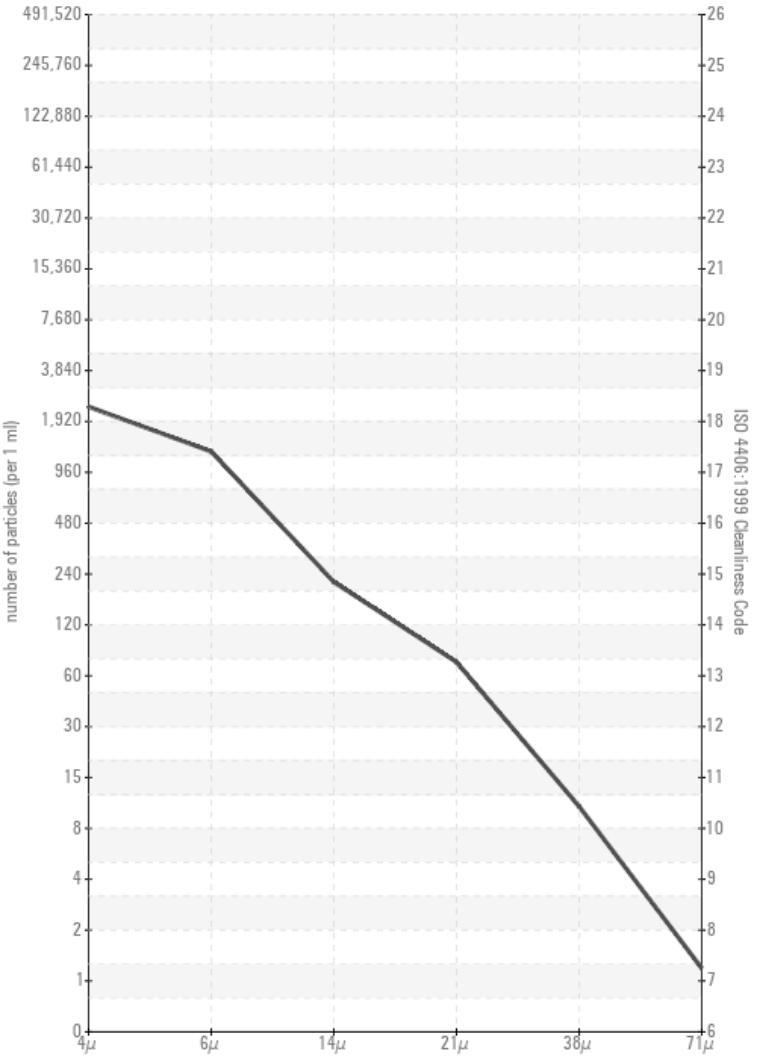
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number