CONSTRUCTION EQUIPMENT
W0230543 VOLVO L260H 1353 - HYDRAULIC SYSTEM

Sample No: VCP429426
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: W0230543

SAMPLE INFORMATION

Sample Number		**VCP429426**	---	---	---
Sample Date		**08 May 2024**	---	---	---
Machine Hours		**0**	---	---	---
Oil Hours		**3991**	---	---	---
Oil Changed		**Changed**	---	---	---
Sample Status		**ABNORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**50.7**	---	---	---
Acid Number (AN)	mg KOH/g	**1.20**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**156622**	---	---	---
Particles >6µm		**44240**	---	---	---
Particles >14µm		**690**	---	---	---
ISO 4406:1999 (c)		**24/23/17**	---	---	---
Silicon	ppm	**8**	---	---	---
Sodium	ppm	**0**	---	---	---
Potassium	ppm	**2**	---	---	---

WEAR METALS

Iron	ppm	**32**	---	---	---
Copper	ppm	**<1**	---	---	---
Lead	ppm	**<1**	---	---	---
Tin	ppm	**<1**	---	---	---
Aluminum	ppm	**2**	---	---	---
Chromium	ppm	**1**	---	---	---
Molybdenum	ppm	**4**	---	---	---
Nickel	ppm	**<1**	---	---	---
Titanium	ppm	**<1**	---	---	---
Silver	ppm	**<1**	---	---	---
Manganese	ppm	**2**	---	---	---
Vanadium	ppm	**<1**	---	---	---

ADDITIVES

Calcium	ppm	**2778**	---	---	---
Magnesium	ppm	**19**	---	---	---
Zinc	ppm	**1274**	---	---	---
Phosphorus	ppm	**1112**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**12**	---	---	---

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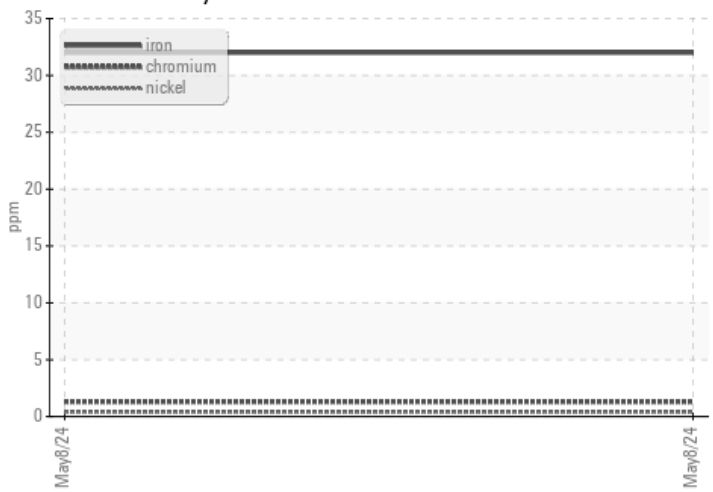
Diagnosis

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.The iron level is abnormal. All other component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

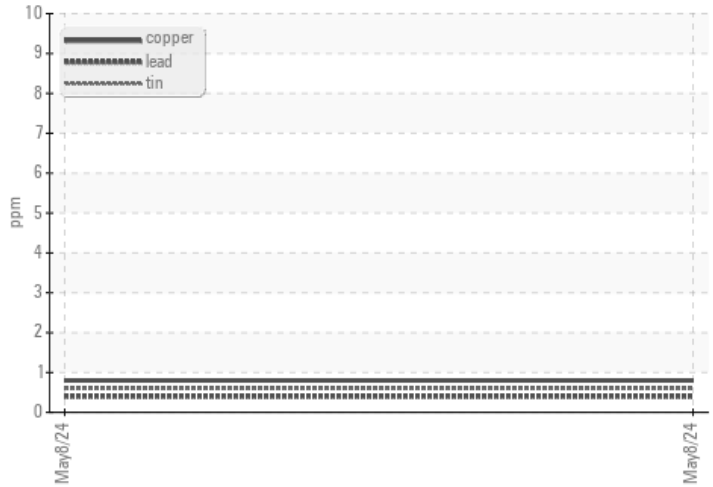
Depot: VOLVO0081
Unique No: 11031424
Signed: Don Baldridge
Report Date: 17 May 2024

GRAPHS

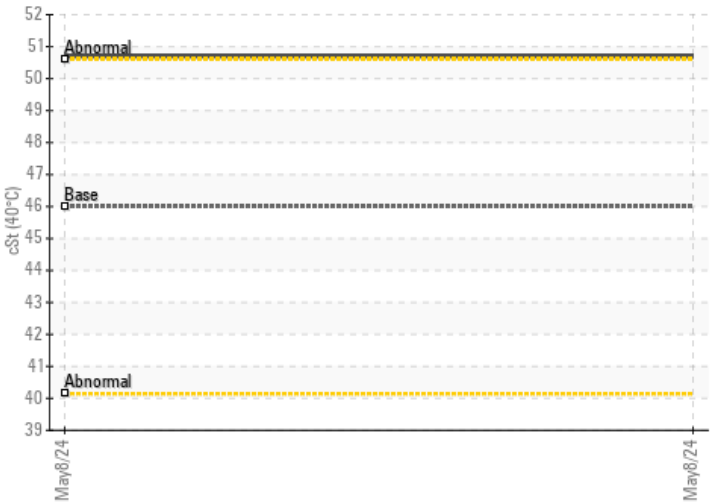
Ferrous Alloys



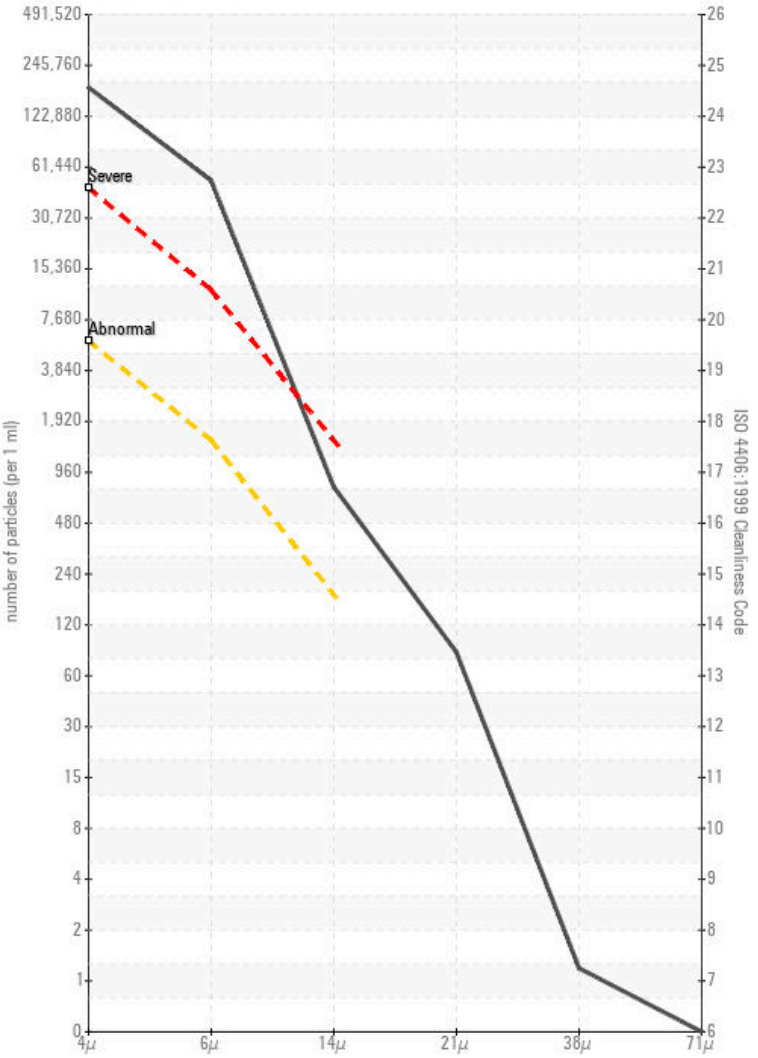
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number