CONSTRUCTION EQUIPMENT
VOLVO EC350E 310403 - HYDRAULIC SYSTEM

Sample No: ML0000373
Oil Type: AW HYDRAULIC OIL ISO 46
Job No:

SAMPLE INFORMATION

Sample Number		**ML0000373**	---	---	---
Sample Date		**23 May 2024**	---	---	---
Machine Hours		**9621**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Not Changd**	---	---	---
Sample Status		**ATTENTION**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**43.8**	---	---	---
Acid Number (AN)	mg KOH/g	**0.74**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**62537**	---	---	---
Particles >6µm		**5107**	---	---	---
Particles >14µm		**264**	---	---	---
ISO 4406:1999 (c)		**23/20/15**	---	---	---
Silicon	ppm	**14**	---	---	---
Sodium	ppm	**5**	---	---	---
Potassium	ppm	**3**	---	---	---

WEAR METALS

Iron	ppm	**27**	---	---	---
Copper	ppm	**25**	---	---	---
Lead	ppm	**1**	---	---	---
Tin	ppm	**<1**	---	---	---
Aluminum	ppm	**5**	---	---	---
Chromium	ppm	**<1**	---	---	---
Molybdenum	ppm	**4**	---	---	---
Nickel	ppm	**0**	---	---	---
Titanium	ppm	**<1**	---	---	---
Silver	ppm	**<1**	---	---	---
Manganese	ppm	**<1**	---	---	---
Vanadium	ppm	**<1**	---	---	---

ADDITIVES

Calcium	ppm	**1695**	---	---	---
Magnesium	ppm	**23**	---	---	---
Zinc	ppm	**927**	---	---	---
Phosphorus	ppm	**763**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**48**	---	---	---

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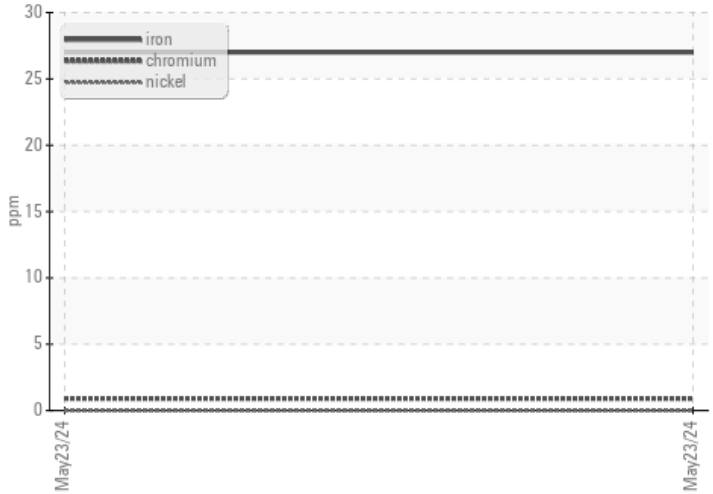
Diagnosis

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 moderate 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 acceptable for the time in service.

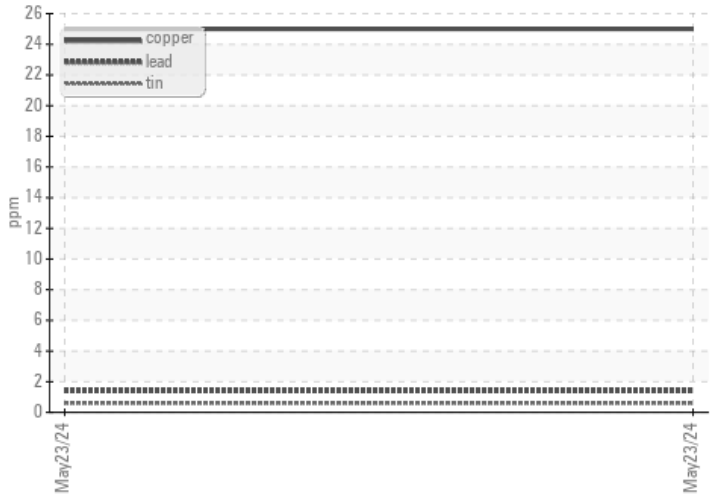
Depot: WILCHA
Unique No: 11056053
Signed: Angela Borella
Report Date: 31 May 2024

GRAPHS

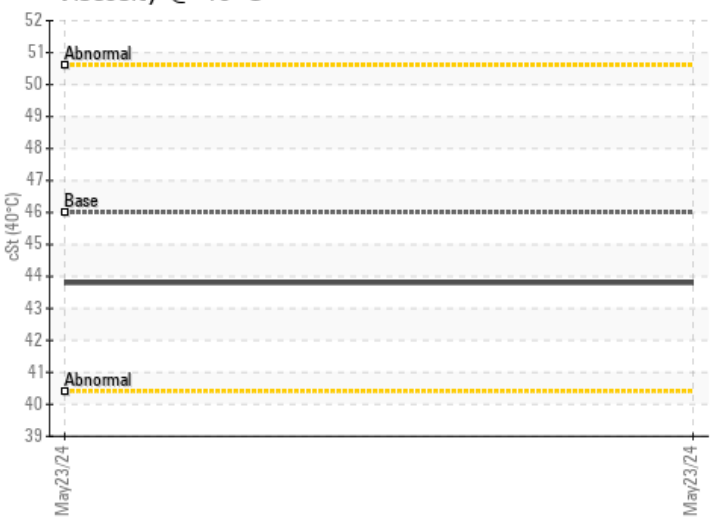
Ferrous Alloys



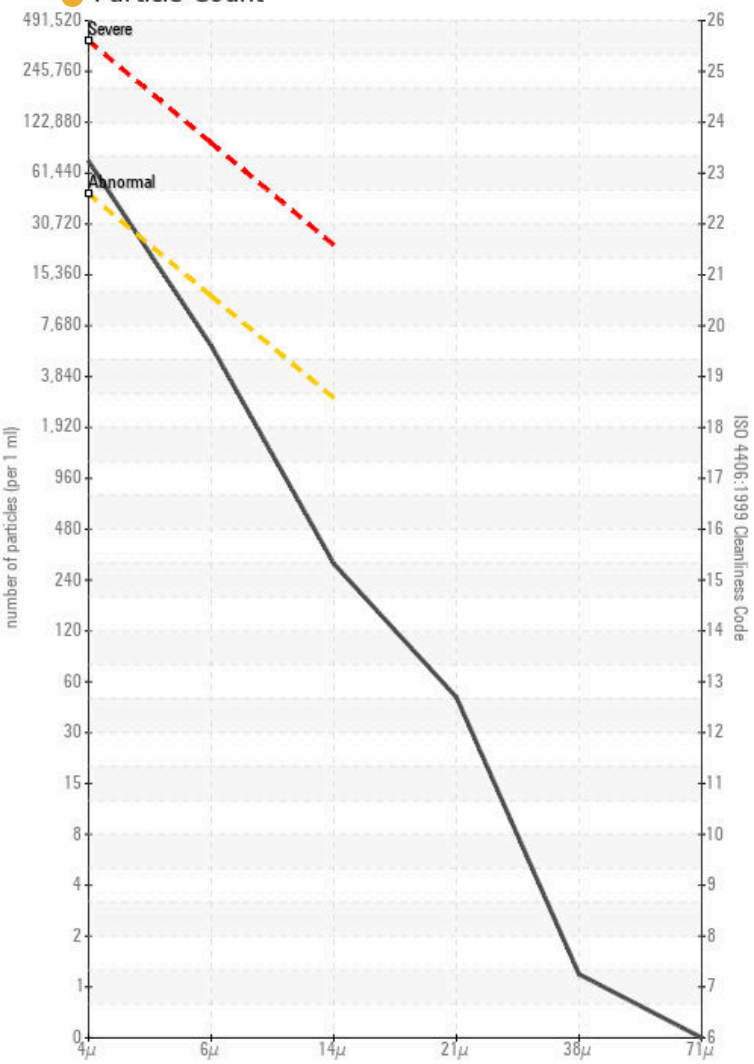
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number