CONSTRUCTION EQUIPMENT

SEMINOLE WASTE CO VOLVO EC350E 314333 - HYDRAULIC SYSTEM

Sample No: VCP440257
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SEMINOLE WASTE CO

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SAMPLE INFORMATION

Sample Number		**VCP440257**	VCP412222	VCP406883	VCP369888
Sample Date		**26 Dec 2023**	21 Aug 2023	28 Apr 2023	13 Dec 2022
Machine Hours		**2607**	2047	1516	1042
Oil Hours		**0**	0	0	0
Oil Changed		**Not Changd**	Changed	Not Changd	Not Changd
Sample Status		**ABNORMAL**	NORMAL	NORMAL	NORMAL

OIL CONDITION

Visc @ 40°C	cSt	**41.5**	41.5	41.8	42.0
Acid Number (AN)	mg KOH/g	**0.39**	0.58	0.55	0.54

CONTAMINATION

Water	%	▲ **0.162**	NEG	NEG	NEG
Particles >4µm		**1348**	3468	3483	3938
Particles >6µm		**735**	176	413	436
Particles >14µm		**125**	19	29	7
ISO 4406:1999 (c)		**18/17/14**	19/15/11	19/16/12	19/16/10
Silicon	ppm	**3**	5	3	4
Sodium	ppm	**4**	0	0	0
Potassium	ppm	**3**	1	0	1

WEAR METALS

Iron	ppm	**3**	2	<1	2
Copper	ppm	**16**	26	20	20
Lead	ppm	**0**	<1	0	<1
Tin	ppm	**0**	0	0	<1
Aluminum	ppm	**0**	<1	<1	<1
Chromium	ppm	**<1**	<1	<1	<1
Molybdenum	ppm	**0**	0	0	0
Nickel	ppm	**0**	<1	0	0
Titanium	ppm	**0**	0	0	0
Silver	ppm	**0**	0	0	1
Manganese	ppm	**<1**	0	<1	<1
Vanadium	ppm	**0**	0	<1	0

ADDITIVES

Calcium	ppm	**40**	56	28	69
Magnesium	ppm	**0**	<1	0	0
Zinc	ppm	**401**	474	437	524
Phosphorus	ppm	**335**	363	345	386
Barium	ppm	**0**	1	0	0
Boron	ppm	**0**	0	0	0

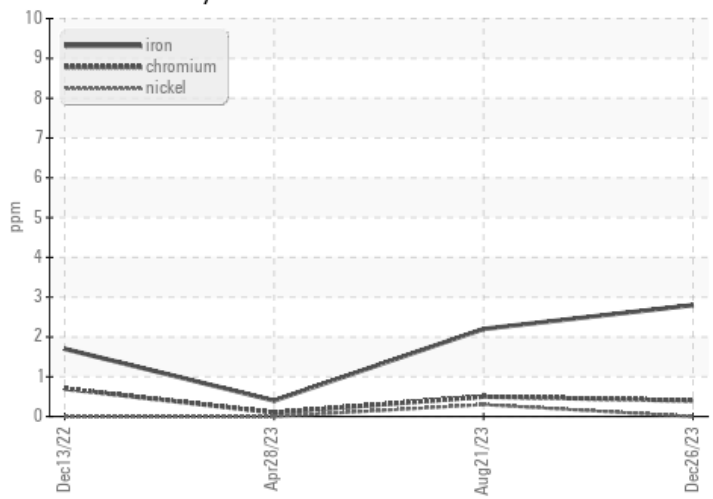
Diagnosis

We advise that you check for the source of water entry. We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid.

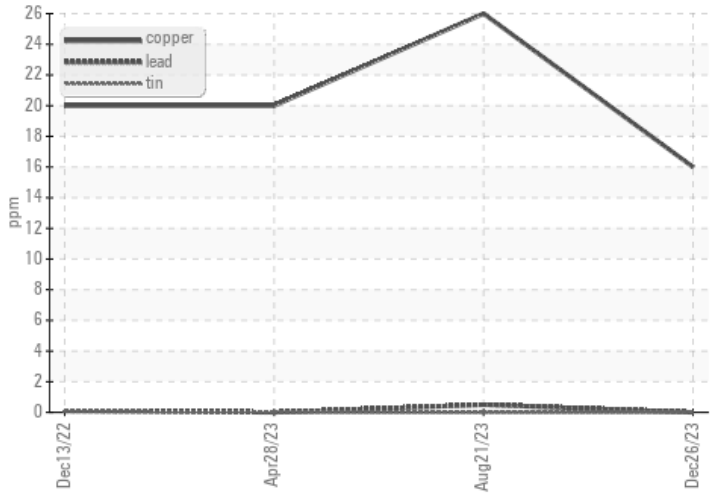
Depot: VOLVO0093
Unique No: 10808334
Signed: Jonathan Hester
Report Date: 04 Jan 2024

GRAPHS

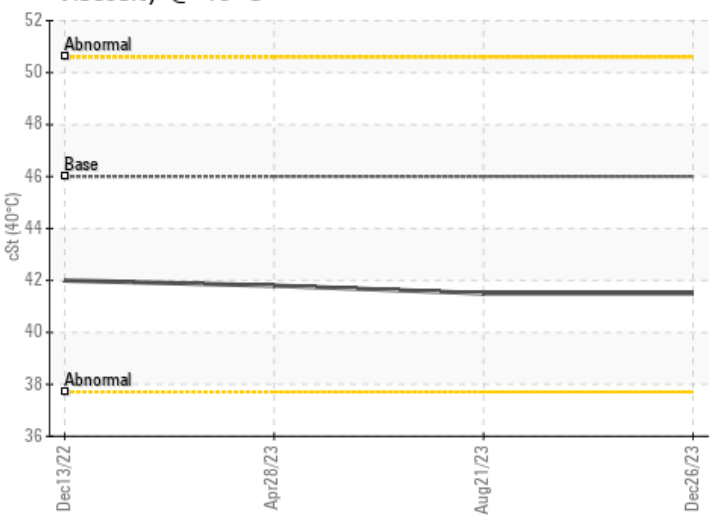
Ferrous Alloys



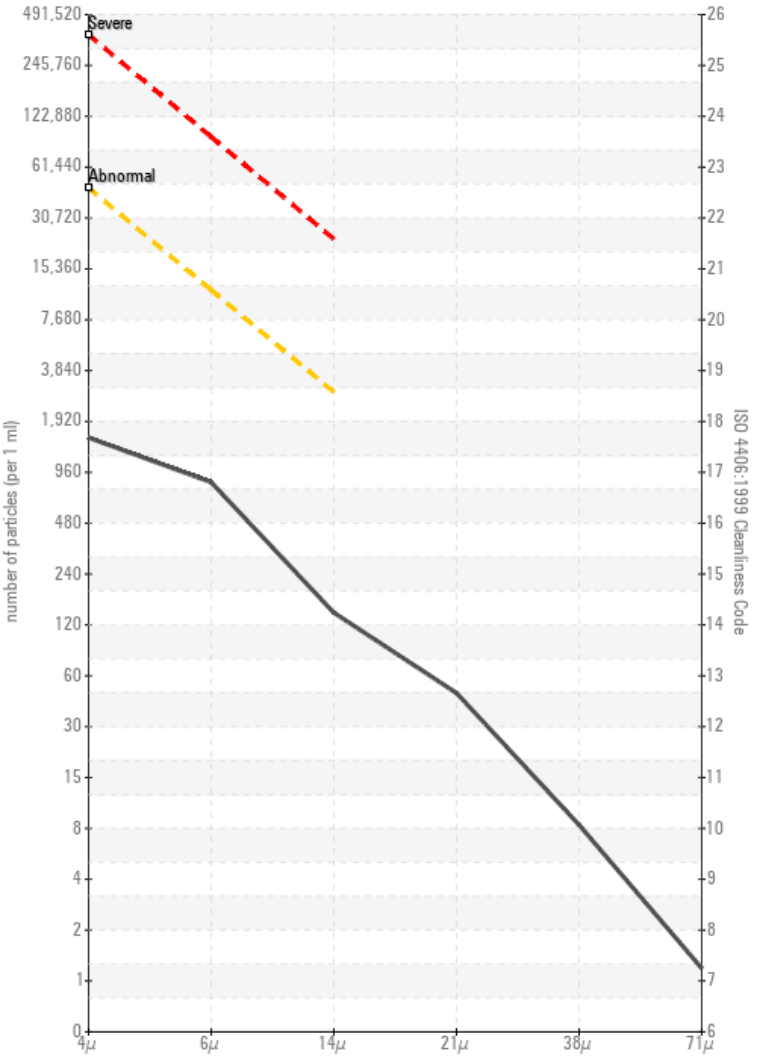
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number