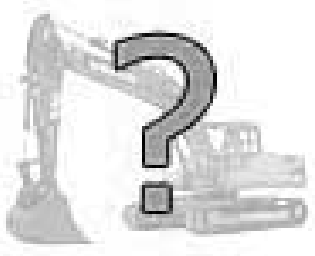
CONSTRUCTION EQUIPMENT
RECONEX ASV RT75 4802 - HYDRAULIC SYSTEM

Sample No: VCP417855
Oil Type: MOBIL DTE 10
Job No: RECONEX



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SAMPLE INFORMATION

Sample Number		**VCP417855**	VCP417857	---	---
Sample Date		**18 Jan 2024**	04 Jan 2024	---	---
Machine Hours		**327**	300	---	---
Oil Hours		**27**	300	---	---
Oil Changed		**Not Changd**	N/A	---	---
Sample Status		**ABNORMAL**	ABNORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	**42.4**	31.3	---	---
Acid Number (AN)	mg KOH/g	**0.44**	0.11	---	---

CONTAMINATION

Water	%	**NEG**	NEG	---	---
Particles >4µm		**18725**	5062	---	---
Particles >6µm		**1879**	272	---	---
Particles >14µm		**29**	26	---	---
ISO 4406:1999 (c)		**21/18/12**	20/15/12	---	---
Silicon	ppm	**1**	2	---	---
Sodium	ppm	**0**	0	---	---
Potassium	ppm	**1**	2	---	---

WEAR METALS

Iron	ppm	**3**	21	---	---
Copper	ppm	**1**	4	---	---
Lead	ppm	**1**	3	---	---
Tin	ppm	**1**	1	---	---
Aluminum	ppm	**2**	2	---	---
Chromium	ppm	**<1**	<1	---	---
Molybdenum	ppm	**1**	1	---	---
Nickel	ppm	**<1**	<1	---	---
Titanium	ppm	**<1**	<1	---	---
Silver	ppm	**0**	0	---	---
Manganese	ppm	**<1**	1	---	---
Vanadium	ppm	**<1**	<1	---	---

ADDITIVES

Calcium	ppm	**45**	42	---	---
Magnesium	ppm	**1**	6	---	---
Zinc	ppm	**411**	135	---	---
Phosphorus	ppm	**312**	151	---	---
Barium	ppm	**<1**	1	---	---
Boron	ppm	**0**	0	---	---

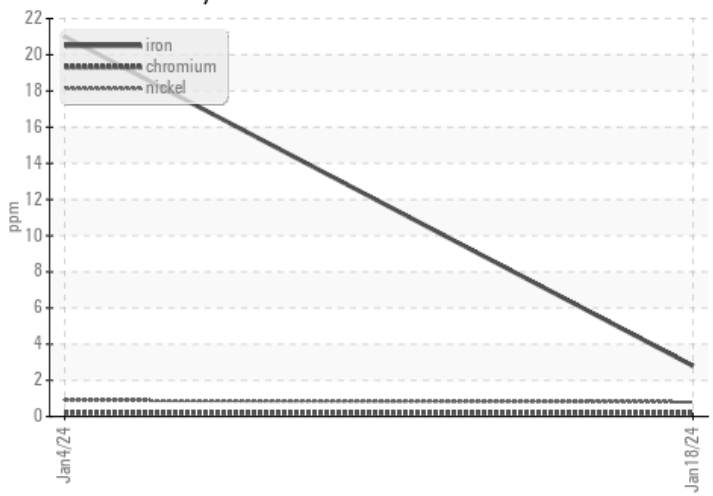
Diagnosis

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 high 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 suitable for further service.

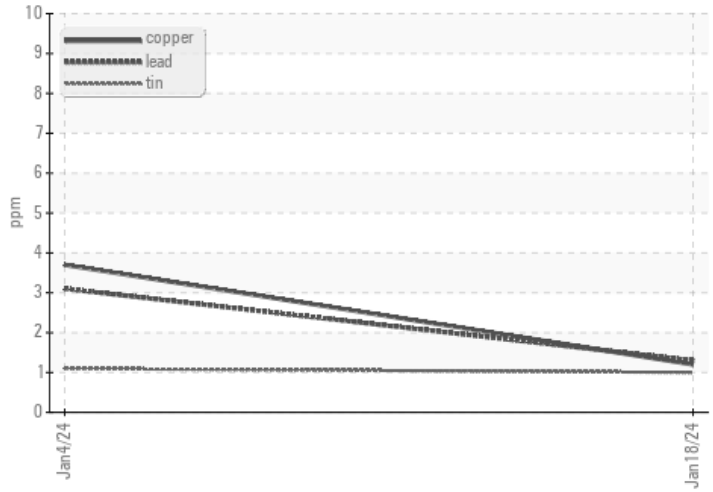
Depot: VOLVO0070
Unique No: 10845007
Signed: Jonathan Hester
Report Date: 25 Jan 2024

GRAPHS

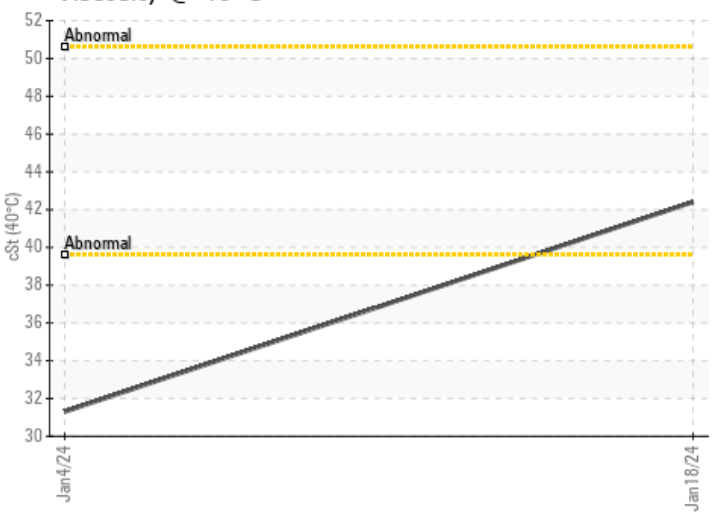
Ferrous Alloys



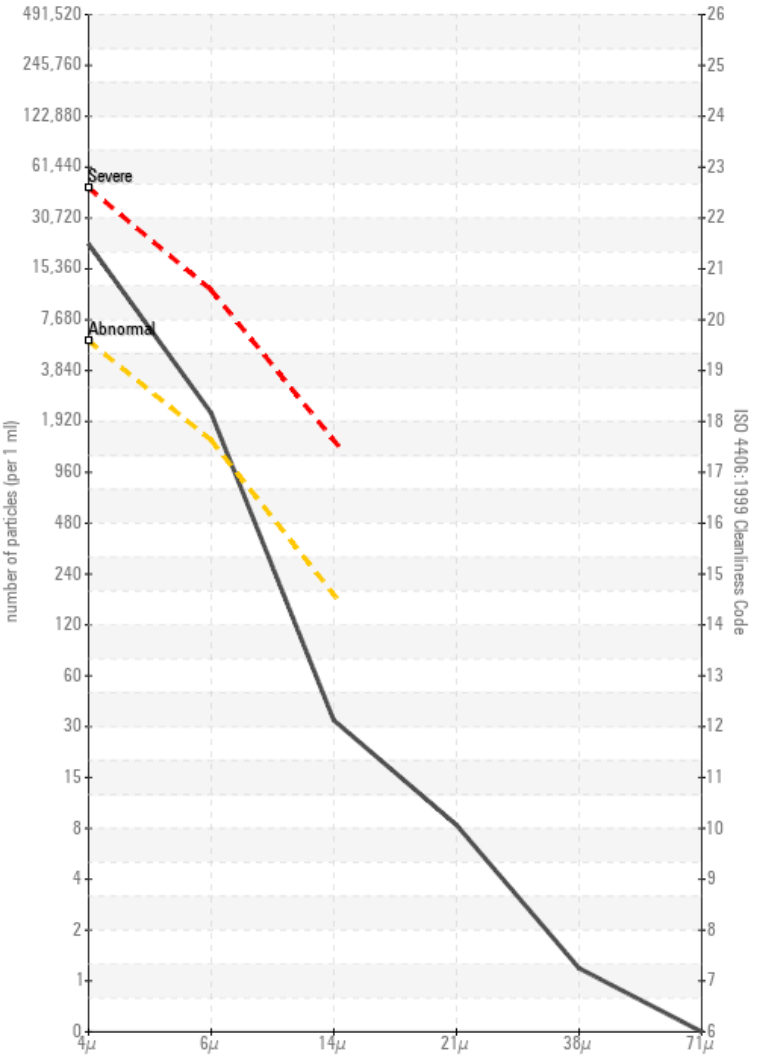
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number