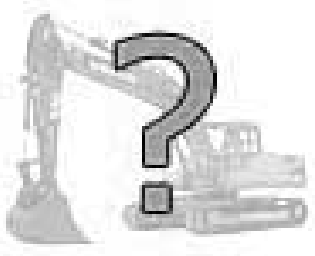
CONSTRUCTION EQUIPMENT

703487 IHFT SENNEBOGEN 830 830.0.2435 - HYDRAULIC SYSTEM

Sample No: VCP453514
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 703487 IHFT



ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
NEW HUDSON, MI
US 48165
Contact: PAUL CONZ
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T:
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SAMPLE INFORMATION

Sample Number		**VCP453514**	VCP411150	---	---
Sample Date		**02 May 2024**	27 Apr 2023	---	---
Machine Hours		**15591**	13582	---	---
Oil Hours		**0**	1000	---	---
Oil Changed		**N/A**	Not Changd	---	---
Sample Status		**ABNORMAL**	ABNORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	**41.5**	42.4	---	---
Acid Number (AN)	mg KOH/g	**1.02**	0.73	---	---

CONTAMINATION

Water	%	**NEG**	NEG	---	---
Particles >4µm		**73935**	22905	---	---
Particles >6µm		**5095**	3910	---	---
Particles >14µm		**80**	79	---	---
ISO 4406:1999 (c)		**23/20/13**	22/19/13	---	---
Silicon	ppm	**3**	2	---	---
Sodium	ppm	**11**	1	---	---
Potassium	ppm	**0**	0	---	---

WEAR METALS

Iron	ppm	**8**	7	---	---
Copper	ppm	**2**	2	---	---
Lead	ppm	**1**	0	---	---
Tin	ppm	**<1**	0	---	---
Aluminum	ppm	**1**	<1	---	---
Chromium	ppm	**2**	2	---	---
Molybdenum	ppm	**74**	109	---	---
Nickel	ppm	**0**	0	---	---
Titanium	ppm	**<1**	0	---	---
Silver	ppm	**<1**	0	---	---
Manganese	ppm	**<1**	<1	---	---
Vanadium	ppm	**0**	0	---	---

ADDITIVES

Calcium	ppm	**1506**	1181	---	---
Magnesium	ppm	**61**	77	---	---
Zinc	ppm	**746**	670	---	---
Phosphorus	ppm	**769**	618	---	---
Barium	ppm	**0**	0	---	---
Boron	ppm	**14**	27	---	---

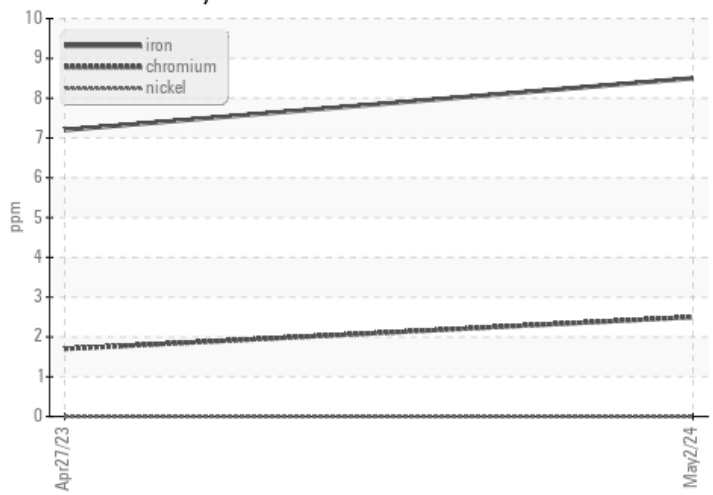
Diagnosis

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. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

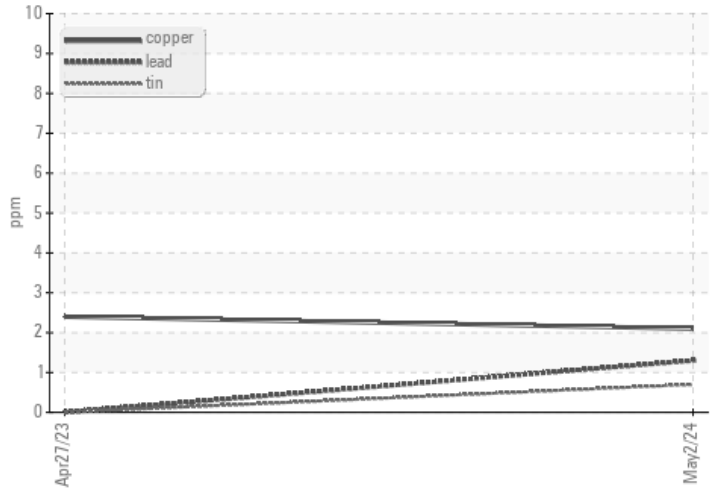
Depot: VOLVO2990
Unique No: 11034068
Signed: Don Baldridge
Report Date: 22 May 2024

GRAPHS

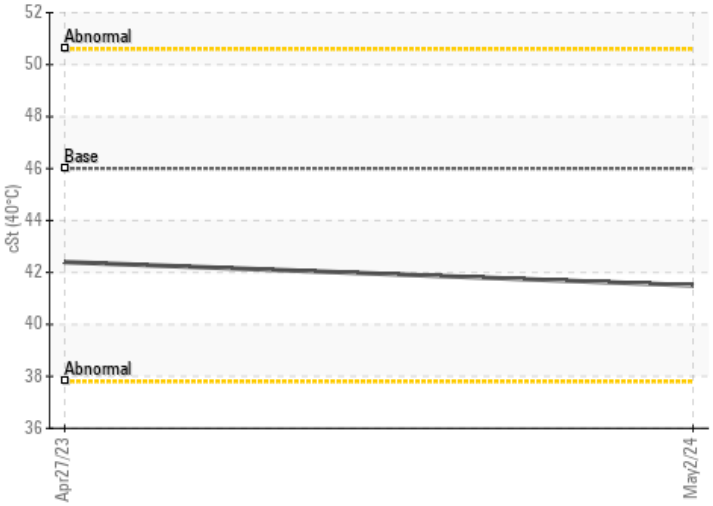
Ferrous Alloys



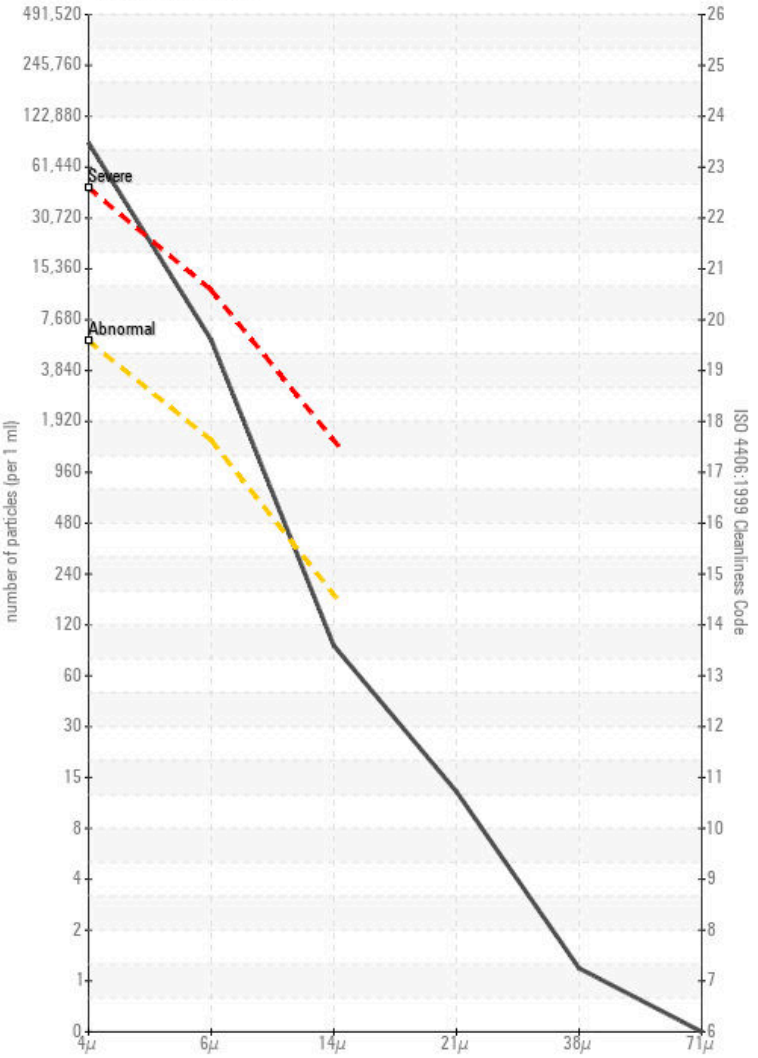
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number