CONSTRUCTION EQUIPMENT

TRIPLE M METAL 390107 VOLVO EC700C 110606 - HYDRAULIC SYSTEM

Sample No: VCP394177
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 390107

STRONGCO EQUIPMENT (CE)
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SAMPLE INFORMATION

Sample Number		**VCP394177**	VCP251347	VCE252255	---
Sample Date		**08 Jan 2024**	13 Jul 2020	29 Aug 2018	---
Machine Hours		**28630**	16884	9537	---
Oil Hours		**0**	0	0	---
Oil Changed		**Changed**	Changed	N/A	---
Sample Status		**ATTENTION**	NORMAL	NORMAL	---

OIL CONDITION

Visc @ 40°C	cSt	**52.7**	45.4	43.4	---

CONTAMINATION

Water	%	**NEG**	NEG	NEG	---
Particles >4µm		**68634**	14795	36288	---
Particles >6µm		**18254**	2916	599	---
Particles >14µm		**484**	147	33	---
ISO 4406:1999 (c)		**23/21/16**	21/19/14	22/16/12	---
Silicon	ppm	**1**	<1	1	---
Sodium	ppm	**<1**	<1	0	---
Potassium	ppm	**<1**	<1	0	---

WEAR METALS

Iron	ppm	**9**	1	4	---
Copper	ppm	**4**	13	4	---
Lead	ppm	**<1**	1	<1	---
Tin	ppm	**0**	<1	0	---
Aluminum	ppm	**<1**	0	<1	---
Chromium	ppm	**4**	<1	3	---
Molybdenum	ppm	**0**	0	<1	---
Nickel	ppm	**<1**	<1	0	---
Titanium	ppm	**0**	0	<1	---
Silver	ppm	**0**	0	0	---
Manganese	ppm	**0**	0	<1	---
Vanadium	ppm	**0**	0	0	---

ADDITIVES

Calcium	ppm	**30**	16	37	---
Magnesium	ppm	**<1**	<1	<1	---
Zinc	ppm	**406**	374	418	---
Phosphorus	ppm	**344**	323	340	---
Barium	ppm	**0**	0	0	---
Boron	ppm	**<1**	<1	0	---

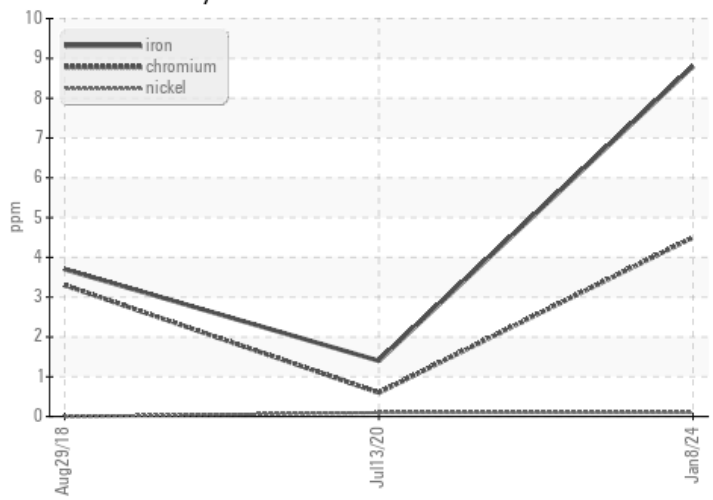
Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The oil viscosity is higher than typical. Additive levels indicate the addition of a different brand, or type of oil.

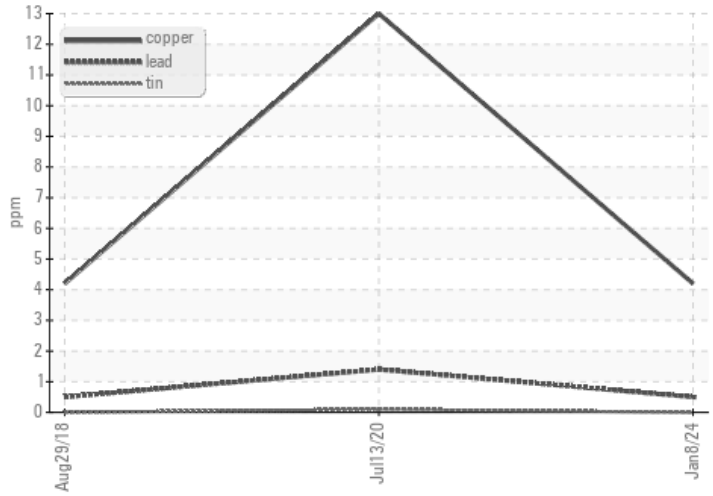
Depot: VOLVO0252
Unique No: 5708950
Signed: Kevin Marson
Report Date: 12 Jan 2024

GRAPHS

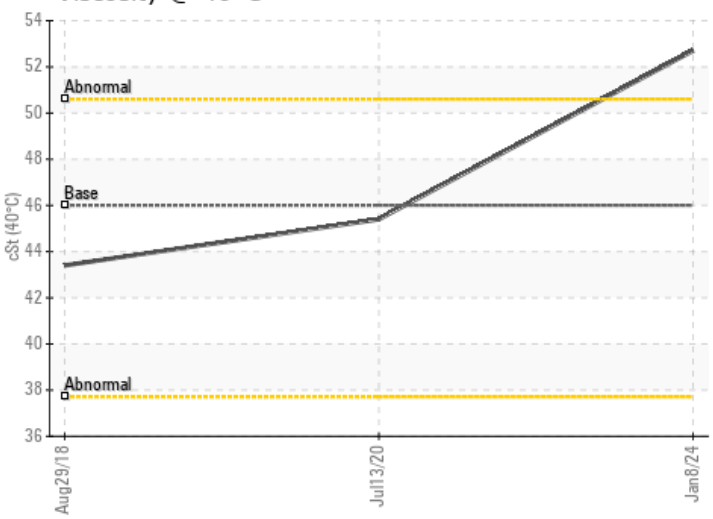
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count