



CONSTRUCTION EQUIPMENT

SWA563649 TERRAMAC RT14R 14RH00107 - HYDRAULIC SYSTEM



Sample No: VCP435764
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA563649



SAMPLE INFORMATION

Sample Number	VCP435764	VCP435079	---	---
Sample Date	24 May 2024	11 Oct 2023	---	---
Machine Hours	2703	2355	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	ABNORMAL	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JIM STRIGLE
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 F: (315)434-9471



OIL CONDITION

Visc @ 40°C	cSt	43.4	46.2	---	---
Acid Number (AN)	mg KOH/g	0.94	0.48	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		5607	---	---	---
Particles >6µm		1617	---	---	---
Particles >14µm		109	---	---	---
ISO 4406:1999 (c)		20/18/14	---	---	---
Silicon	ppm	1	<1	---	---
Sodium	ppm	1	<1	---	---
Potassium	ppm	0	0	---	---

Diagnosis

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 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.



WEAR METALS

Iron	ppm	4	0	---	---
Copper	ppm	5	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	0	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	143	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	54	40	---	---
Magnesium	ppm	2	0	---	---
Zinc	ppm	548	410	---	---
Phosphorus	ppm	510	313	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLV00142
Unique No: 11058743
Signed: Wes Davis
Report Date: 03 Jun 2024

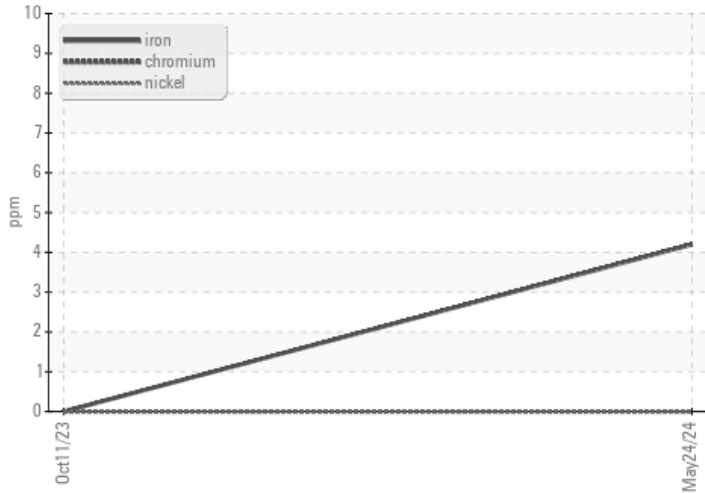


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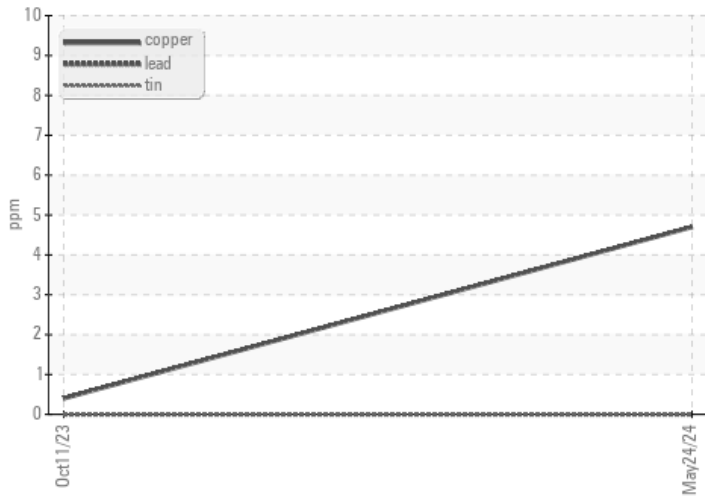


VOLVO GRAPHS

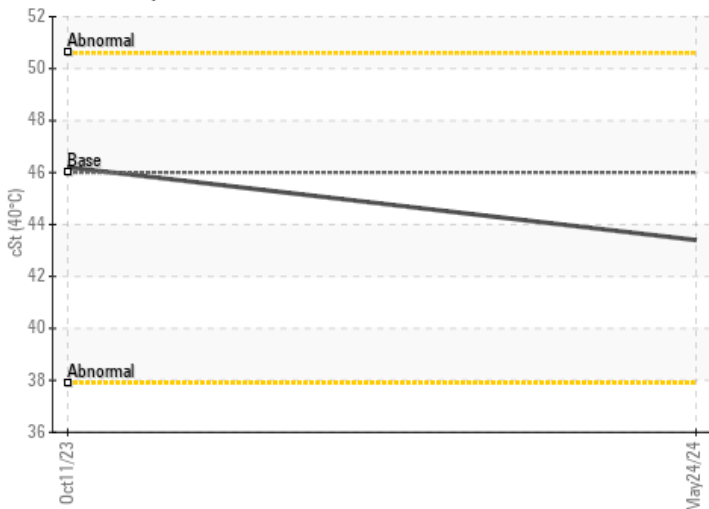
Ferrous Alloys



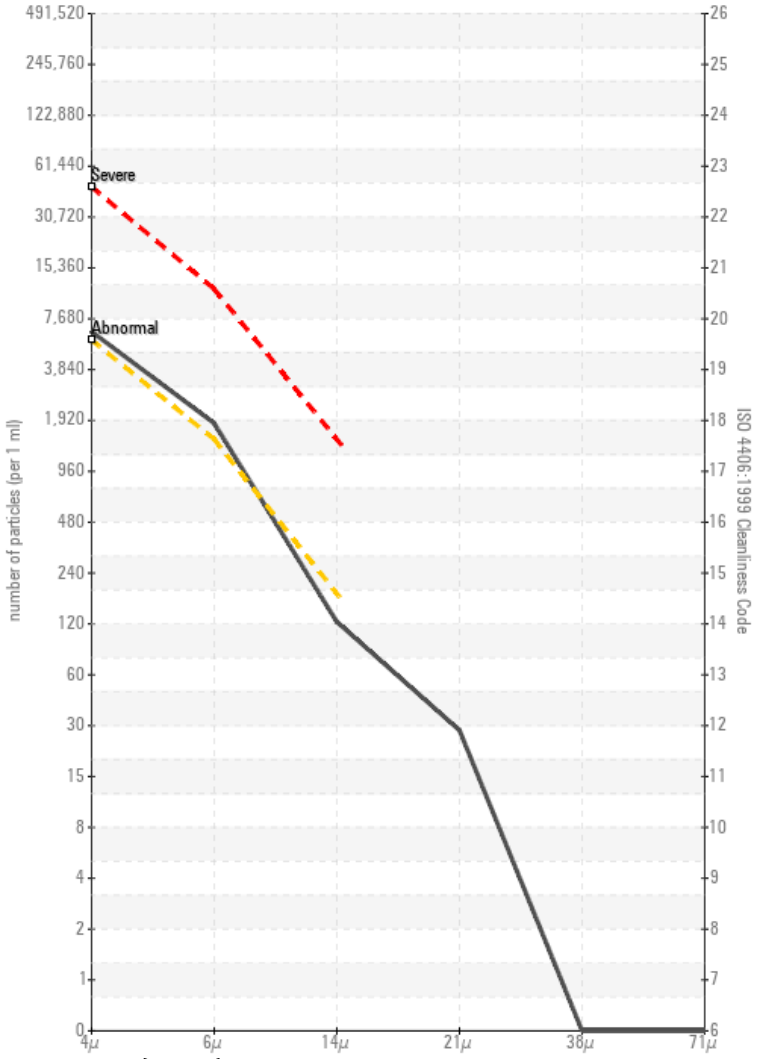
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

