



CONSTRUCTION EQUIPMENT

SWA506908 VOLVO L90H 626145 - HYDRAULIC SYSTEM



Sample No: VCP380607
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA506908



SAMPLE INFORMATION

Sample Number	VCP380607	VCP405761	---	---
Sample Date	14 Mar 2024	08 May 2023	---	---
Machine Hours	819	596	---	---
Oil Hours	819	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	ATTENTION	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
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OIL CONDITION

Visc @ 40°C	cSt	43.2	43.6	---	---
Acid Number (AN)	mg KOH/g	0.39	0.38	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		7159	9676	---	---
Particles >6µm		1240	1568	---	---
Particles >14µm		90	55	---	---
ISO 4406:1999 (c)		20/17/14	20/18/13	---	---
Silicon	ppm	3	2	---	---
Sodium	ppm	3	0	---	---
Potassium	ppm	<1	<1	---	---

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



ADDITIVES

Calcium	ppm	69	65	---	---
Magnesium	ppm	1	4	---	---
Zinc	ppm	384	458	---	---
Phosphorus	ppm	292	334	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	0	---	---

Depot: VOLV00142
Unique No: 10940528
Signed: Wes Davis
Report Date: 25 Mar 2024

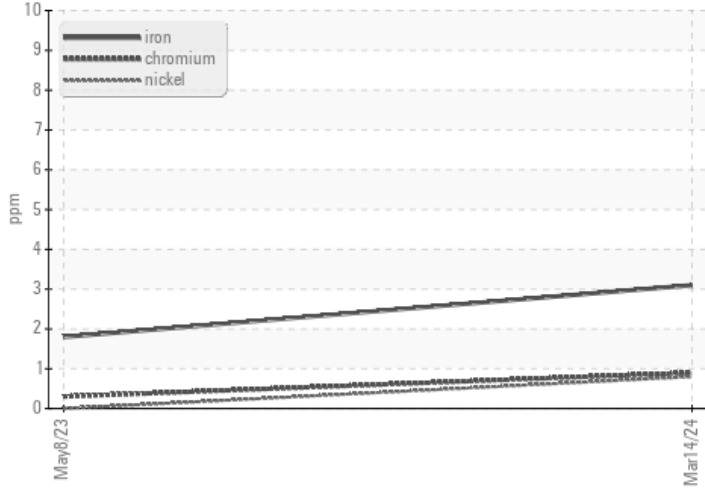


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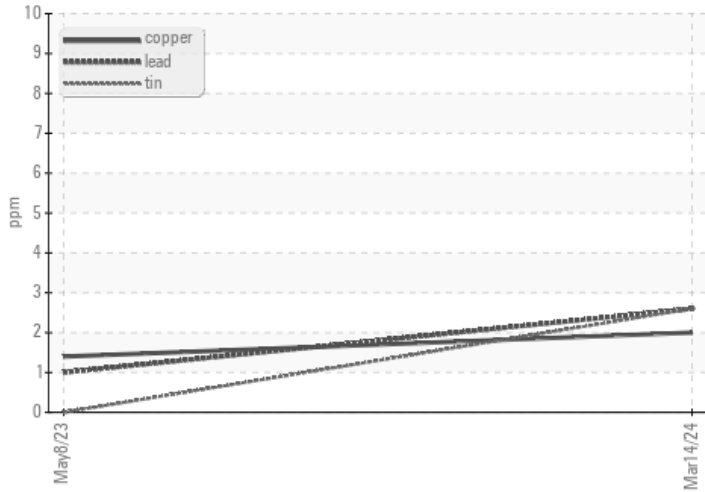


GRAPHS

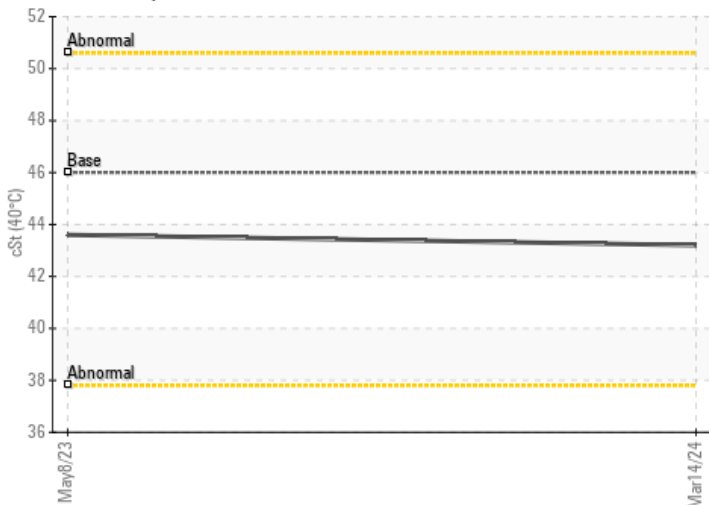
Ferrous Alloys



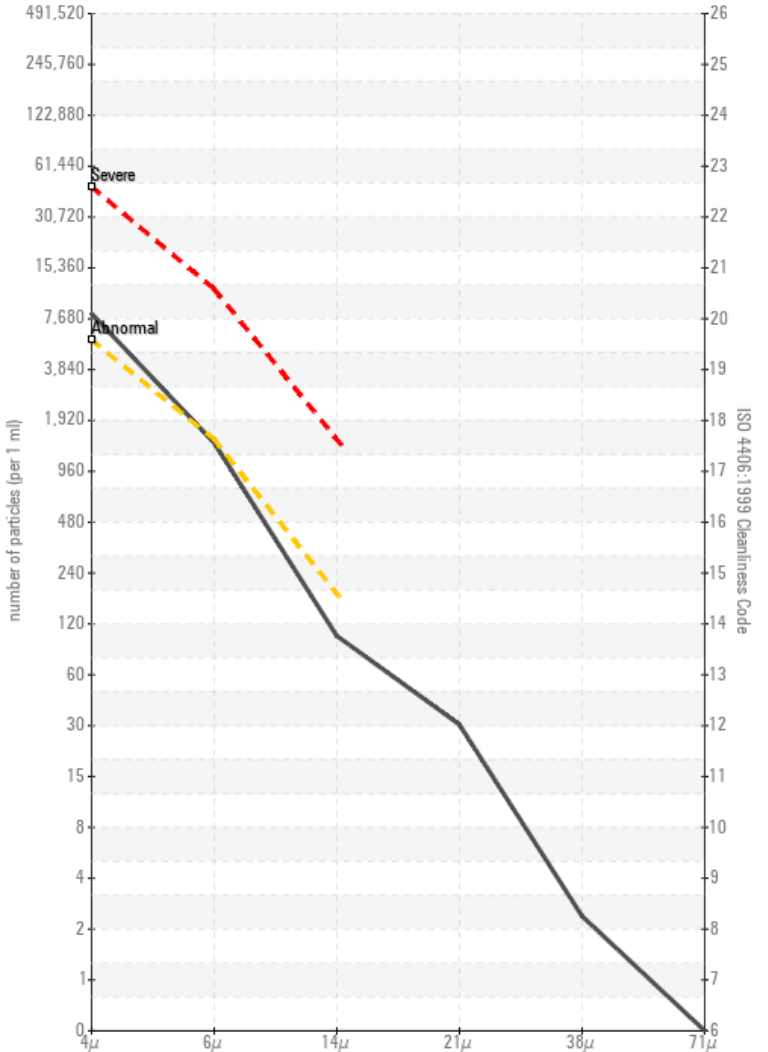
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

