



CONSTRUCTION EQUIPMENT

SWA309003 VOLVO L90F 25703 - HYDRAULIC SYSTEM



Sample No: VCP418261
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA309003



SAMPLE INFORMATION

Sample Number	VCP418261	VCP384191	VCP255496	---
Sample Date	18 Jul 2023	26 Oct 2022	18 Dec 2019	---
Machine Hours	8719	8396	7112	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	Not Changd	---
Sample Status	ATTENTION	NORMAL	NORMAL	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
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OIL CONDITION

Visc @ 40°C	cSt	38.4	45.1	39.8	---
Acid Number (AN)	mg KOH/g	0.24	0.43	0.319	---



CONTAMINATION

Particles >4µm		8289	1025	4436	---
Particles >6µm		2072	191	383	---
Particles >14µm		118	9	10	---
ISO 4406:1999 (c)		20/18/14	17/15/10	19/16/10	---
Silicon	ppm	11	2	12	---
Sodium	ppm	3	0	3	---
Potassium	ppm	2	0	<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	6	0	10	---
Copper	ppm	5	0	9	---
Lead	ppm	<1	0	1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	0	0	<1	---
Chromium	ppm	1	0	1	---
Molybdenum	ppm	3	1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	<1	<1	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	176	59	49	---
Magnesium	ppm	17	4	13	---
Zinc	ppm	406	426	431	---
Phosphorus	ppm	317	320	334	---
Barium	ppm	<1	0	<1	---
Boron	ppm	2	0	<1	---

Depot: VOLV00142
Unique No: 10566737
Signed: Wes Davis
Report Date: 25 Jul 2023

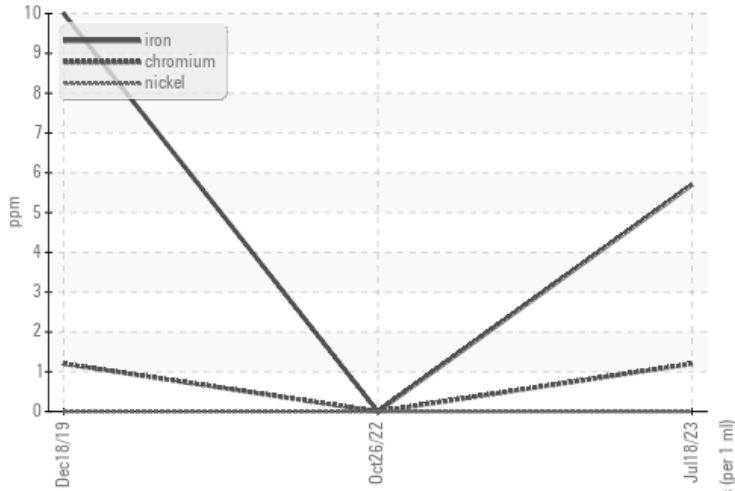


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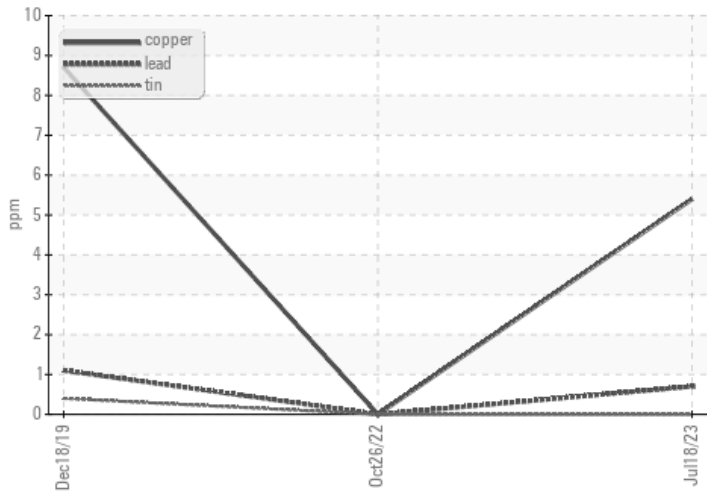


VOLVO GRAPHS

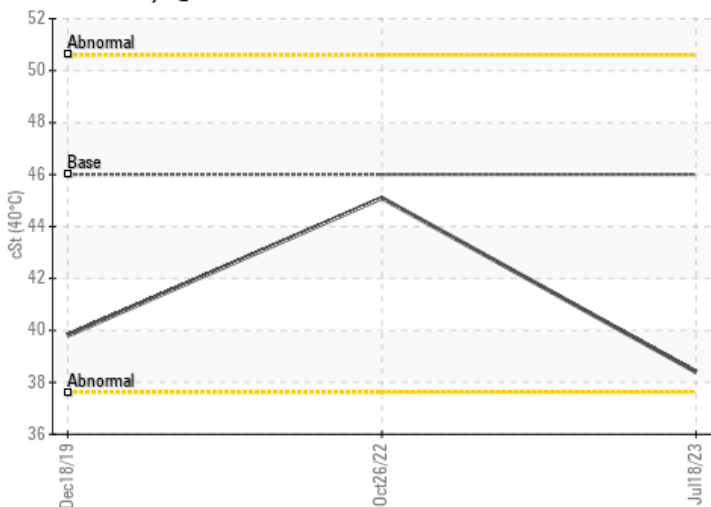
Ferrous Alloys



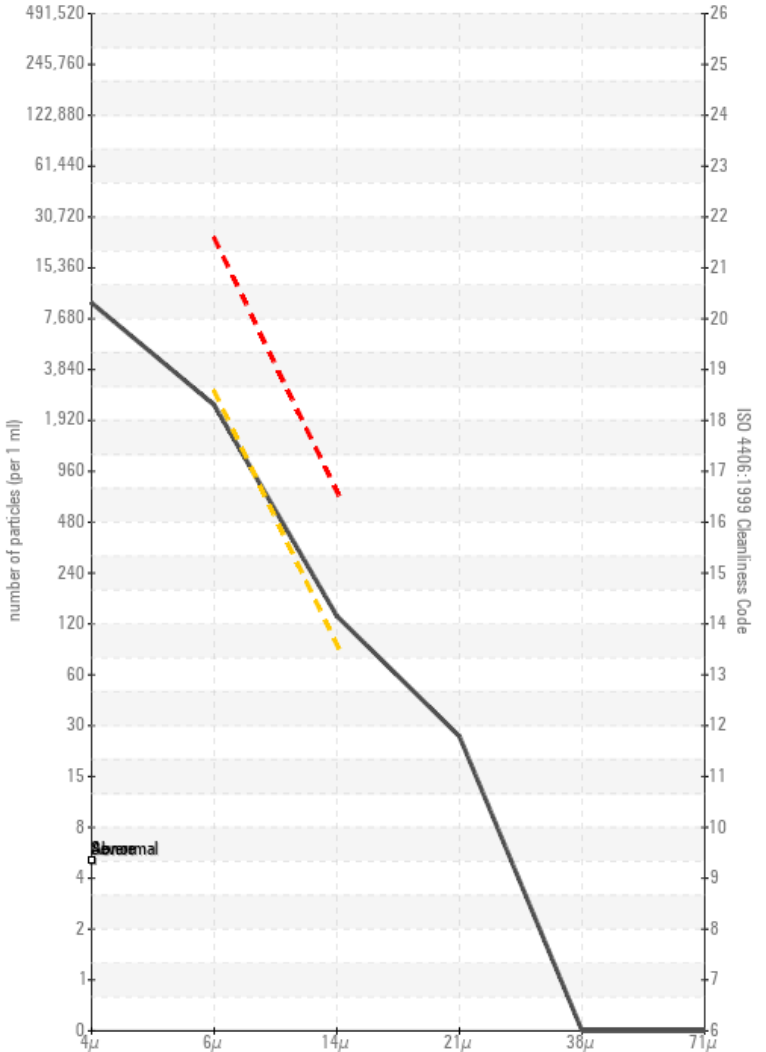
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

