



CONSTRUCTION EQUIPMENT

SWA401794-10 ARNON D VOLVO L70F 62546 - HYDRAULIC SYSTEM



Sample No: VCP428582
Oil Type: NOT GIVEN
Job No: SWA401794-10 ARNON D



SAMPLE INFORMATION

Sample Number	VCP428582	VCP348140	VCP295770	---
Sample Date	01 Nov 2023	12 Aug 2022	22 Jan 2021	---
Machine Hours	6841	6287	5760	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	Not Changd	---
Sample Status	ABNORMAL	ABNORMAL	ATTENTION	---

ALTA EQUIPMENT

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 SYRACUSE, NY
 US 13206
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OIL CONDITION

Visc @ 40°C	cSt	41.9	41.7	43.1	---
Acid Number (AN)	mg KOH/g	0.34	0.37	0.409	---



CONTAMINATION

Particles >4µm		16996	28203	7520	---
Particles >6µm		3880	5235	1419	---
Particles >14µm		138	376	83	---
ISO 4406:1999 (c)		21/19/14	22/20/16	20/18/14	---
Silicon	ppm	8	9	4	---
Sodium	ppm	2	3	<1	---
Potassium	ppm	0	0	0	---

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	2	4	3	---
Copper	ppm	<1	2	2	---
Lead	ppm	0	<1	2	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	0	1	<1	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	<1	1	4	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	826	711	319	---
Magnesium	ppm	6	6	16	---
Zinc	ppm	591	588	480	---
Phosphorus	ppm	477	477	402	---
Barium	ppm	0	0	0	---
Boron	ppm	19	17	6	---

Depot: VOLV00142
Unique No: 10727342
Signed: Wes Davis
Report Date: 07 Nov 2023

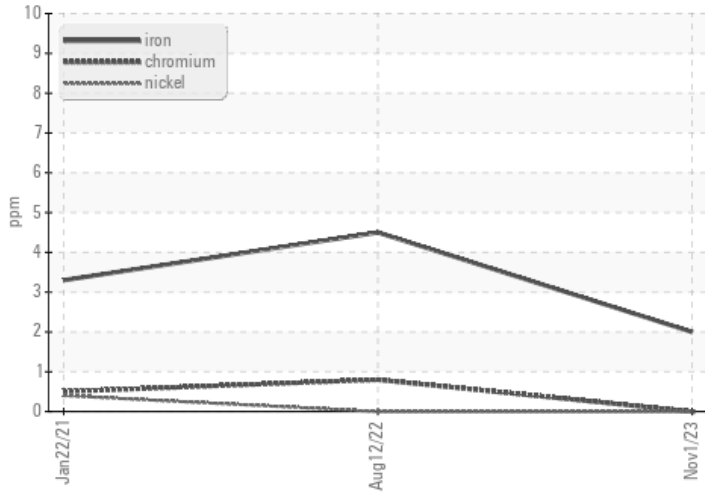


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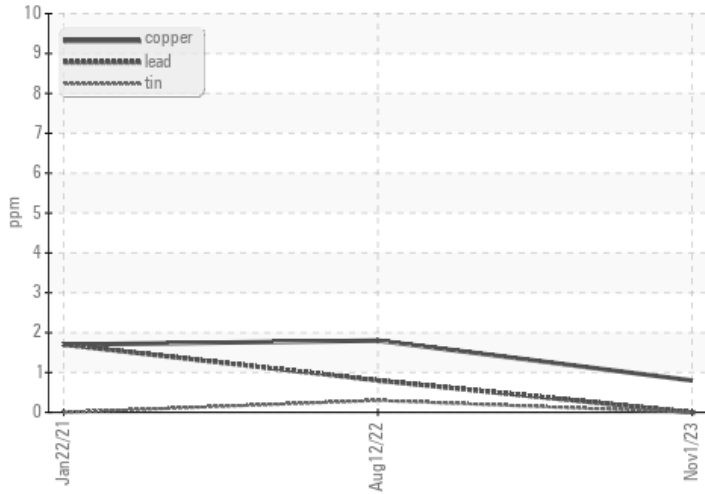


VOLVO GRAPHS

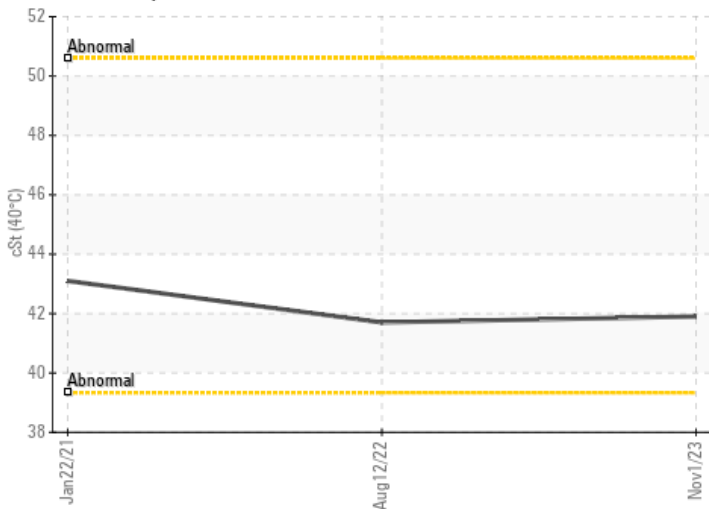
Ferrous Alloys



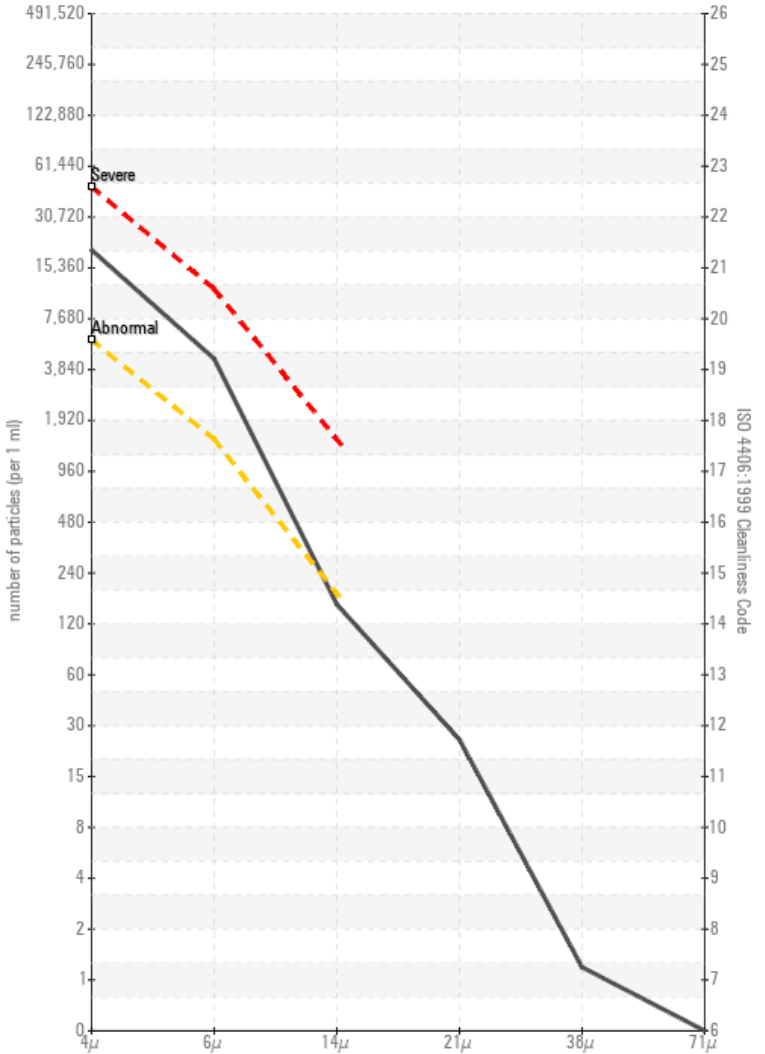
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

