



CONSTRUCTION EQUIPMENT

660214 STONE CO VOLVO L260H 1301 - HYDRAULIC SYSTEM



Sample No: VCP452283
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 660214 STONE CO



SAMPLE INFORMATION

Sample Number	VCP452283	VCP407924	VCP371933	---
Sample Date	22 Jan 2024	01 Jun 2023	26 Sep 2022	---
Machine Hours	5967	3962	0	---
Oil Hours	1967	3962	0	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	ABNORMAL	ABNORMAL	ATTENTION	---

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OIL CONDITION

Visc @ 40°C	cSt	40.1	41.0	41.8	---
Acid Number (AN)	mg KOH/g	0.30	0.25	0.34	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		11125	23123	7869	---
Particles >6µm		1948	7286	1116	---
Particles >14µm		31	564	62	---
ISO 4406:1999 (c)		21/18/12	22/20/16	20/17/13	---
Silicon	ppm	2	2	<1	---
Sodium	ppm	2	2	0	---
Potassium	ppm	3	0	1	---

Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. 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	5	3	---
Copper	ppm	3	4	3	---
Lead	ppm	1	0	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	1	<1	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	0	0	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	67	67	57	---
Magnesium	ppm	3	1	<1	---
Zinc	ppm	415	423	423	---
Phosphorus	ppm	324	308	321	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	0	---

Depot: VOLVO2990
Unique No: 10863384
Signed: Wes Davis
Report Date: 07 Feb 2024

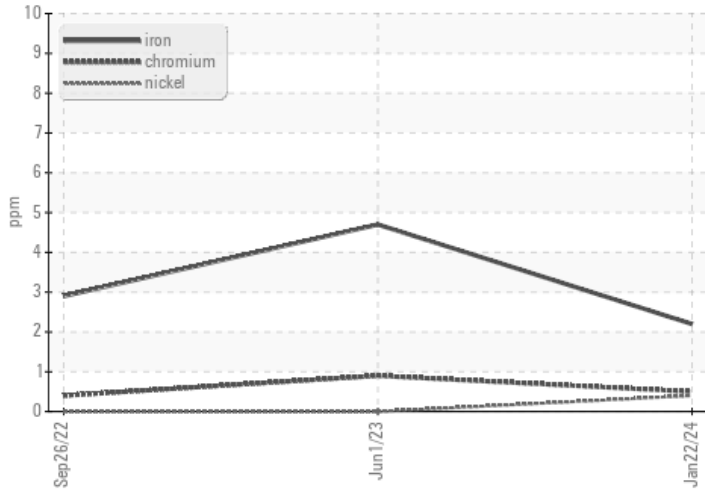


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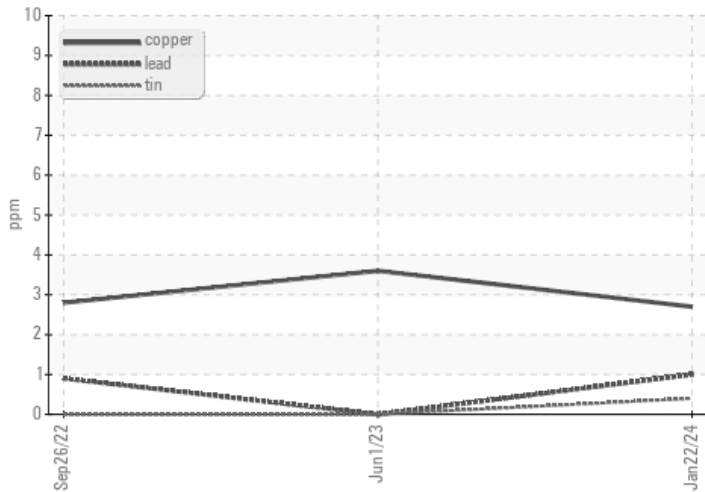


GRAPHS

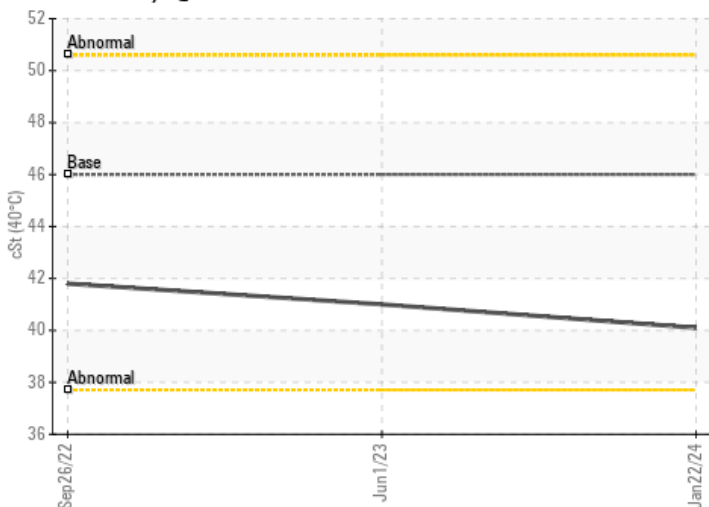
Ferrous Alloys



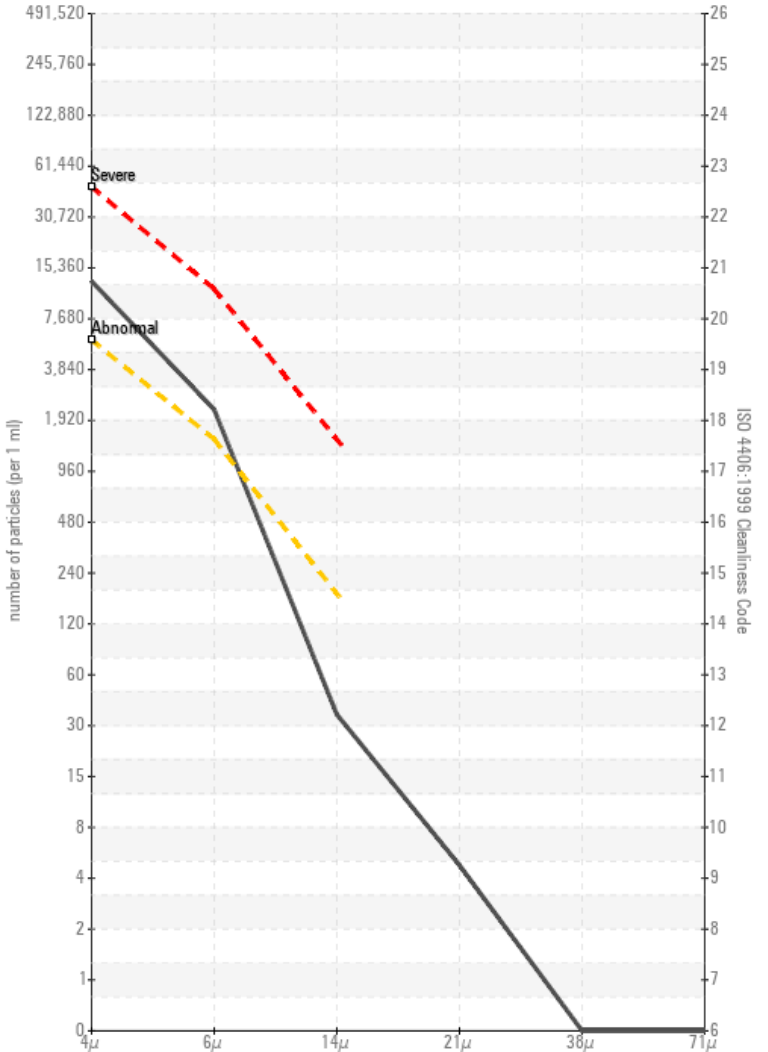
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

