



CONSTRUCTION EQUIPMENT

SPM593825 GENERAL RV VOLVO L20H 1220316 - HYDRAULIC SYSTEM



Sample No: VCP415259
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM593825 GENERAL RV



SAMPLE INFORMATION

Sample Number	VCP415259	VCP358132	VCP327108	---
Sample Date	11 Aug 2023	11 Apr 2022	23 Dec 2021	---
Machine Hours	2430	932	506	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	41.1	42.1	41.8	---
Acid Number (AN)	mg KOH/g	0.43	0.43	0.446	---



CONTAMINATION

Particles >4µm		63520	3379	6146	---
Particles >6µm		5957	666	919	---
Particles >14µm		46	42	50	---
ISO 4406:1999 (c)		23/20/13	19/17/13	20/17/13	---
Silicon	ppm	3	2	2	---
Sodium	ppm	1	0	<1	---
Potassium	ppm	0	2	<1	---

Diagnosis

We recommend you service the filters on this component. 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	16	4	1	---
Copper	ppm	4	3	2	---
Lead	ppm	2	2	<1	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	85	66	49	---
Magnesium	ppm	1	7	2	---
Zinc	ppm	423	404	442	---
Phosphorus	ppm	341	302	338	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	1	---

Depot: VOLVO8885
Unique No: 10616076
Signed: Wes Davis
Report Date: 23 Aug 2023

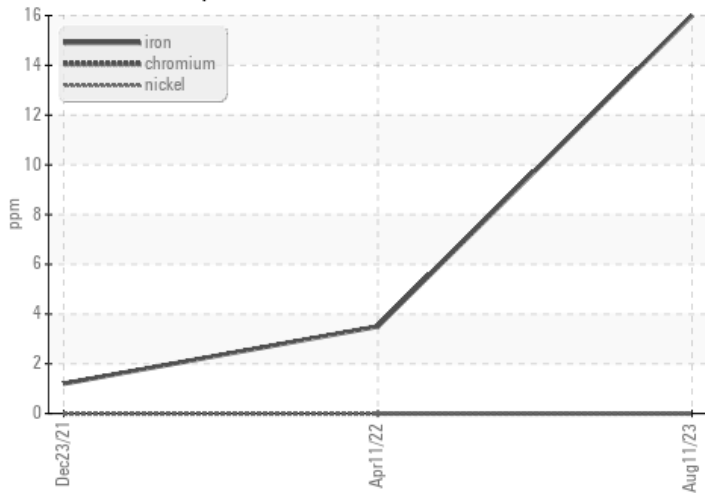


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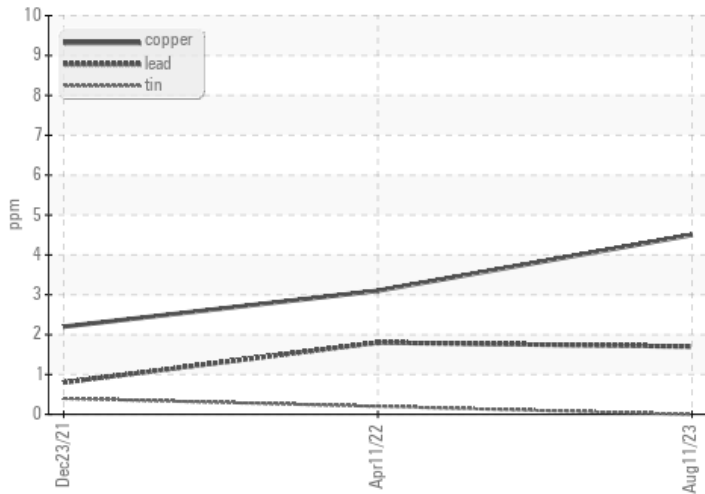


GRAPHS

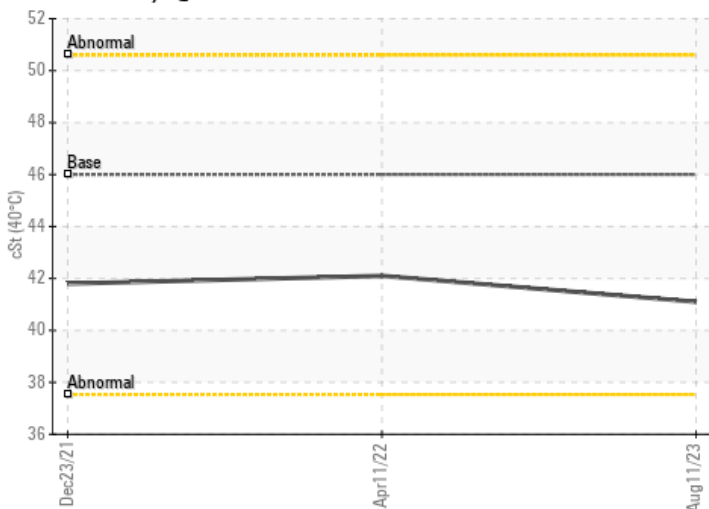
Ferrous Alloys



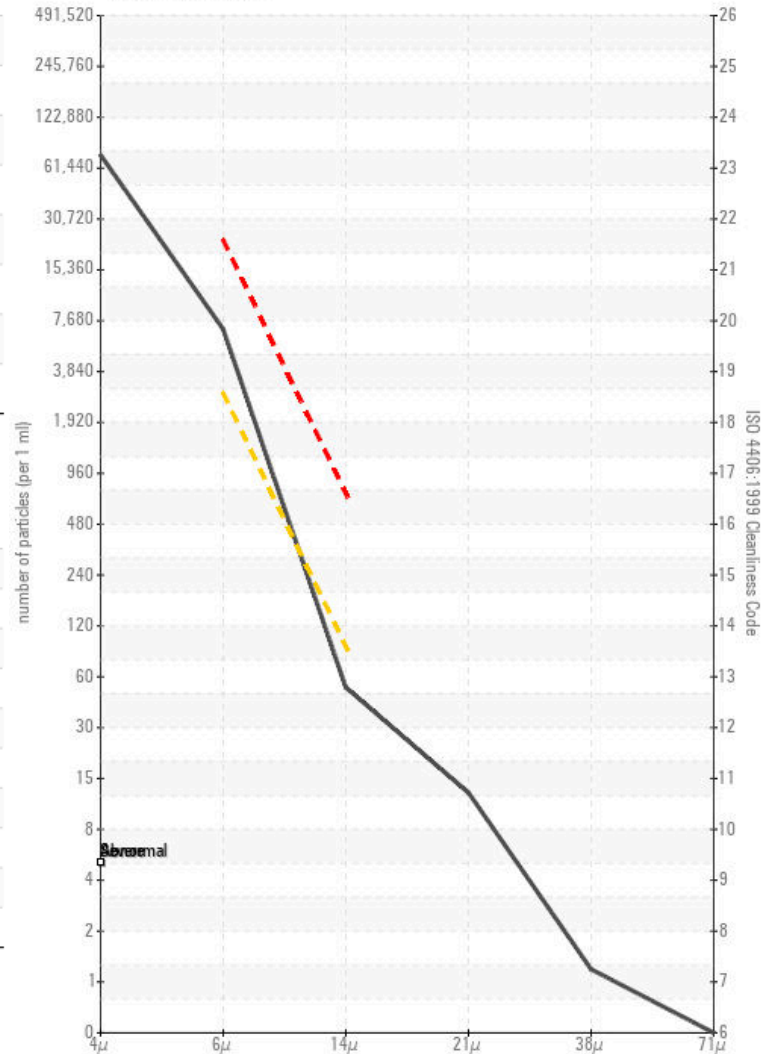
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

