



CONSTRUCTION EQUIPMENT

689483 GENERAL RV VOLVO L20H 1220369 - HYDRAULIC SYSTEM



Sample No: VCP447381
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 689483 GENERAL RV



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SAMPLE INFORMATION

Sample Number	VCP447381	VCP411056	VCP354559	VCP351706
Sample Date	07 Apr 2024	20 Apr 2023	19 Aug 2022	21 Feb 2022
Machine Hours	2505	1521	1022	508
Oil Hours	500	0	500	500
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	NORMAL	ATTENTION	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	47.4	40.0	42.9	41.4
Acid Number (AN)	mg KOH/g	0.42	0.51	0.549	0.42



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		13962	4432	11185	8685
Particles >6µm		3003	145	1880	2145
Particles >14µm		65	11	155	228
ISO 4406:1999 (c)		21/19/13	19/14/11	21/18/14	20/18/15
Silicon	ppm	1	5	2	2
Sodium	ppm	<1	<1	<1	0
Potassium	ppm	0	0	0	1



WEAR METALS

Iron	ppm	0	6	4	2
Copper	ppm	0	3	4	3
Lead	ppm	0	0	2	2
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	<1	<1	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	6	3	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	294	333	44	48
Magnesium	ppm	44	0	0	<1
Zinc	ppm	517	419	411	443
Phosphorus	ppm	407	341	326	326
Barium	ppm	0	0	0	0
Boron	ppm	8	6	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.

Depot: VOLVO0093
Unique No: 11018624
Signed: Wes Davis
Report Date: 09 May 2024

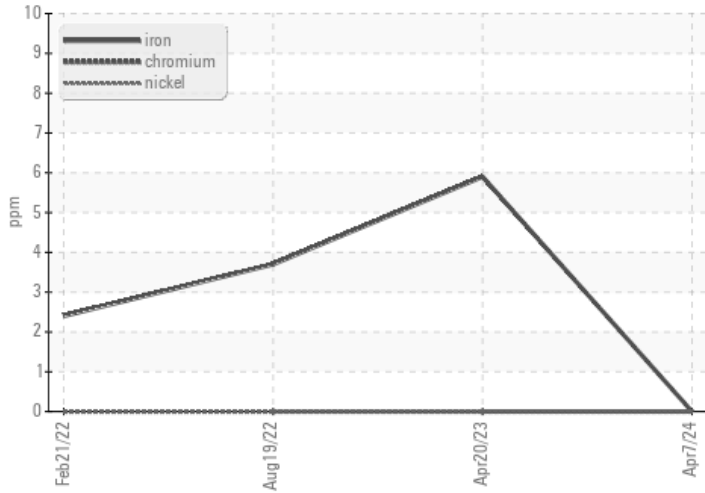


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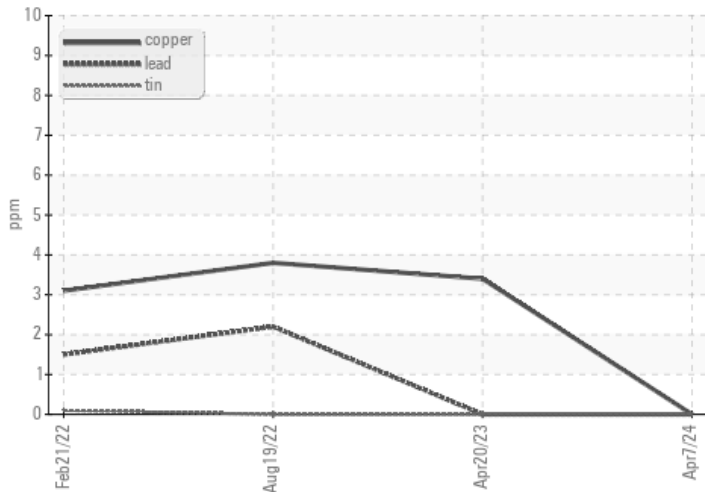


GRAPHS

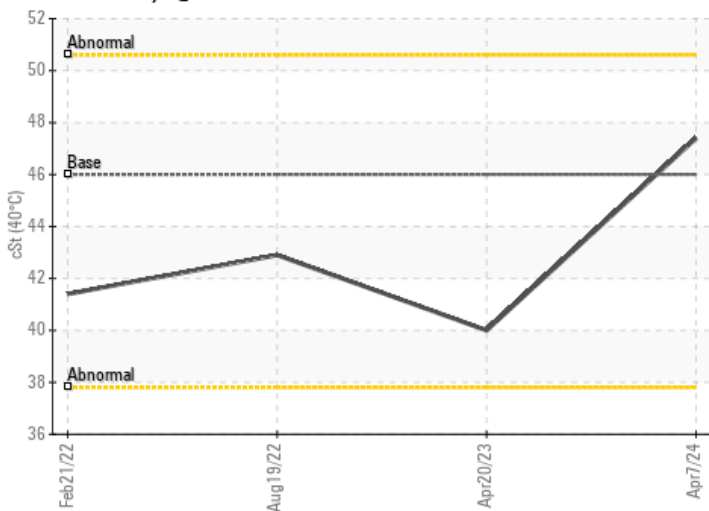
Ferrous Alloys



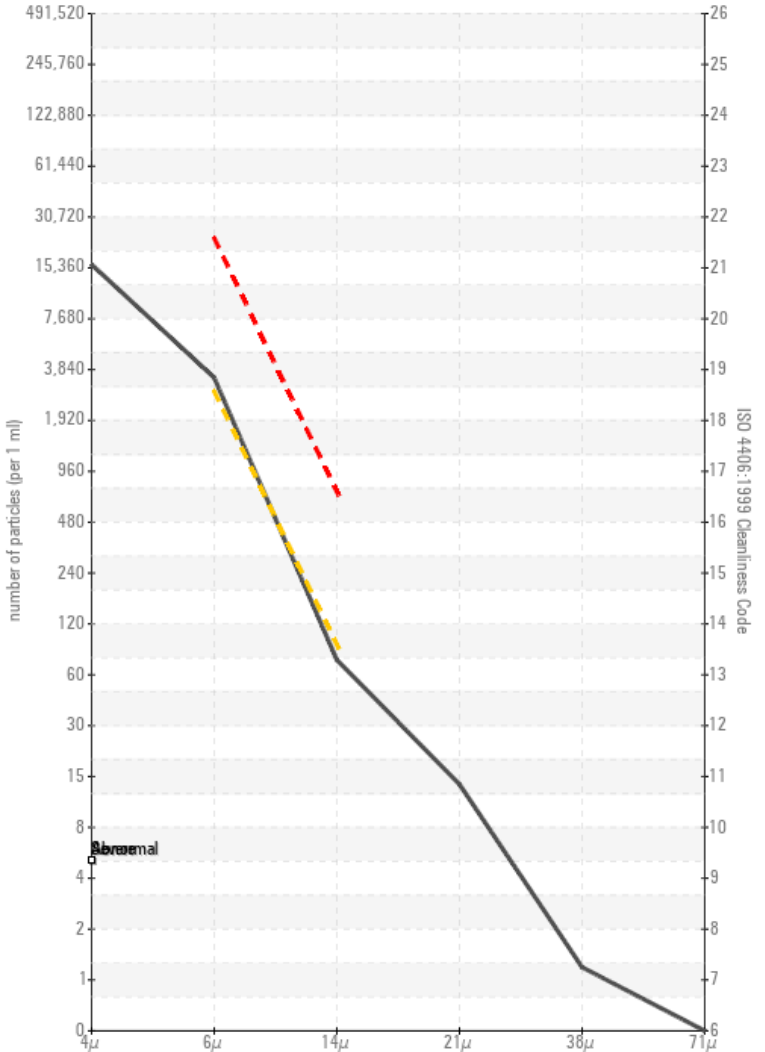
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

