



CONSTRUCTION EQUIPMENT

TRIPLE M METAL LP MLF-MAR14-022 VOLVO L220H 2461 - HYDRAULIC SYSTEM



Sample No: VCP450479
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: MLF-MAR14-022



SAMPLE INFORMATION

Sample Number	VCP450479	VCP392078	VCP380082	VCE175557
Sample Date	20 Mar 2024	08 Feb 2024	04 Dec 2023	12 Jul 2019
Machine Hours	25254	24447	23552	10718
Oil Hours	1000	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	ATTENTION	ABNORMAL	SEVERE	ABNORMAL

STRONGCO EQUIPMENT (CE)

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CA L7L 4Y1

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OIL CONDITION

Visc @ 40°C	cSt	42.0	45.4	36.0	40.1
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		6830	11575	77509	39515
Particles >6µm		2086	2887	18086	8343
Particles >14µm		174	241	1238	595
ISO 4406:1999 (c)		20/18/15	21/19/15	23/21/17	22/20/16
Silicon	ppm	0	<1	<1	3
Sodium	ppm	<1	<1	1	4
Potassium	ppm	0	<1	<1	0

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	1	3	6	11
Copper	ppm	<1	2	2	3
Lead	ppm	0	<1	<1	2
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	<1	<1	3	8
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	43	31	26	55
Magnesium	ppm	<1	<1	0	2
Zinc	ppm	406	421	392	415
Phosphorus	ppm	320	358	321	333
Barium	ppm	0	0	<1	0
Boron	ppm	0	0	2	<1

Depot: VOLVO0252
Unique No: 5748879
Signed: Wes Davis
Report Date: 22 Mar 2024

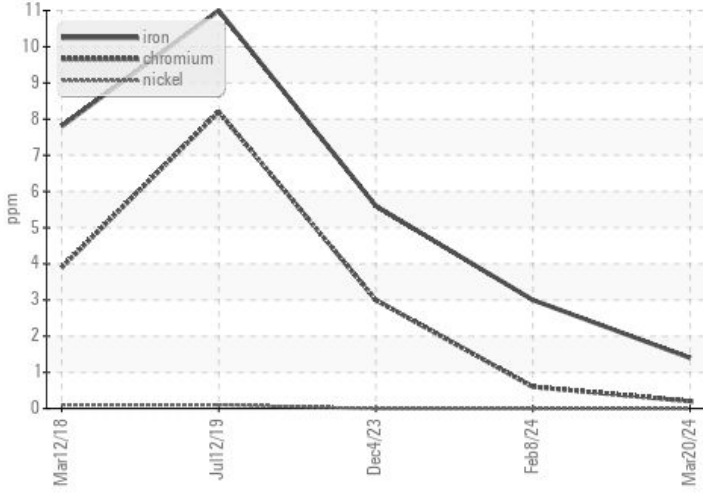


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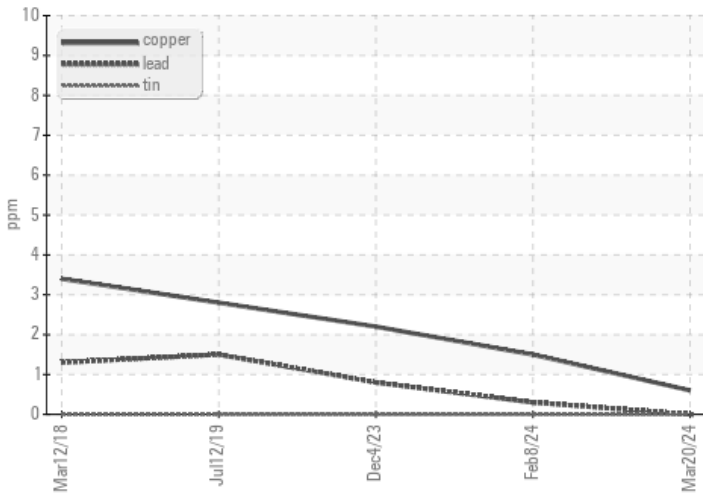


GRAPHS

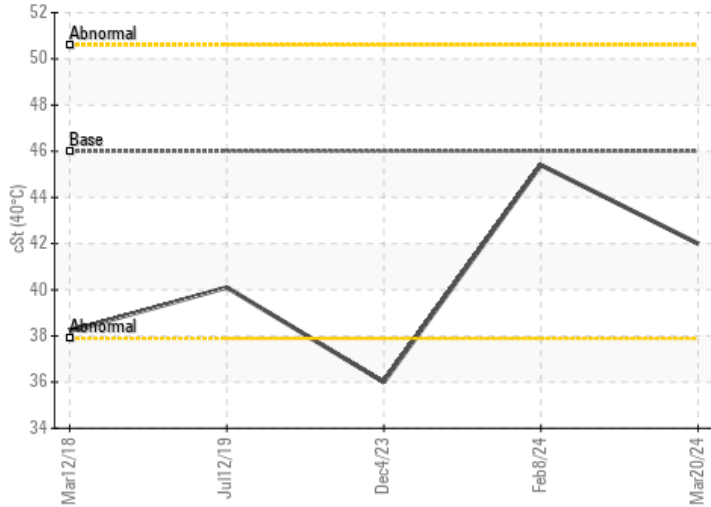
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

