



CONSTRUCTION EQUIPMENT

W14311 VOLVO L260H 1222 - HYDRAULIC SYSTEM



Sample No: VCP404685
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: W14311



SAMPLE INFORMATION

Sample Number	VCP404685	VCP385638	VCP354900	VCP330092
Sample Date	14 Jul 2023	01 Nov 2022	26 Jul 2022	15 Mar 2022
Machine Hours	3075	2527	2021	1495
Oil Hours	1000	500	2000	500
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	ATTENTION	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	41.5	39.5	39.7	39.9
Acid Number (AN)	mg KOH/g	0.33	0.45	0.46	0.43



CONTAMINATION

Particles >4µm	5862	15972	48241	20447	
Particles >6µm	1117	2898	11825	805	
Particles >14µm	115	143	1139	41	
ISO 4406:1999 (c)	20/17/14	21/19/14	23/21/17	22/17/13	
Silicon	ppm	2	2	2	2
Sodium	ppm	2	2	1	0
Potassium	ppm	0	<1	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.



WEAR METALS

Iron	ppm	5	5	4	4
Copper	ppm	5	5	5	5
Lead	ppm	0	1	1	1
Tin	ppm	0	0	1	<1
Aluminum	ppm	<1	0	2	1
Chromium	ppm	3	2	2	2
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	41	41	40	45
Magnesium	ppm	0	<1	0	<1
Zinc	ppm	400	430	401	415
Phosphorus	ppm	359	328	333	314
Barium	ppm	0	0	0	0
Boron	ppm	0	0	<1	0

Depot: VOLVO0080
Unique No: 10565090
Signed: Wes Davis
Report Date: 21 Jul 2023

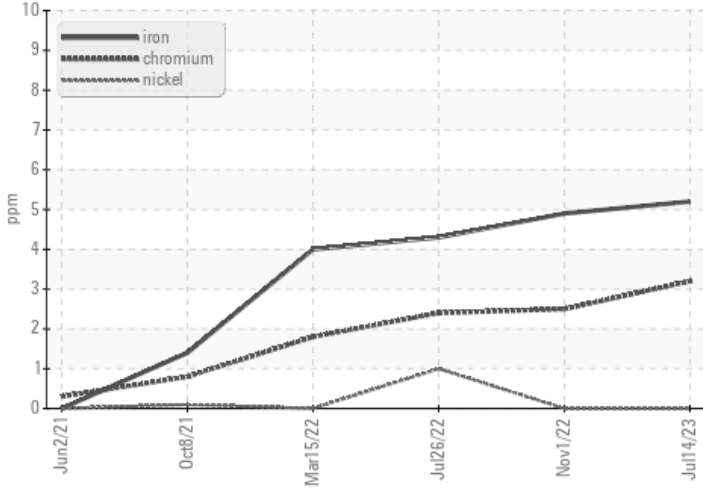


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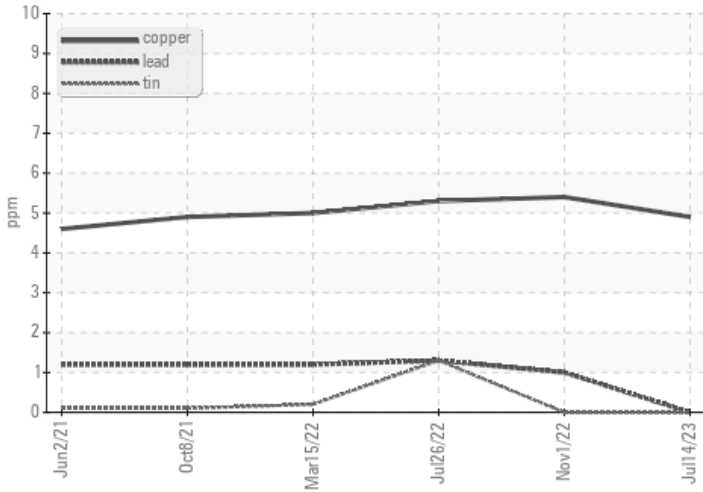


VOLVO GRAPHS

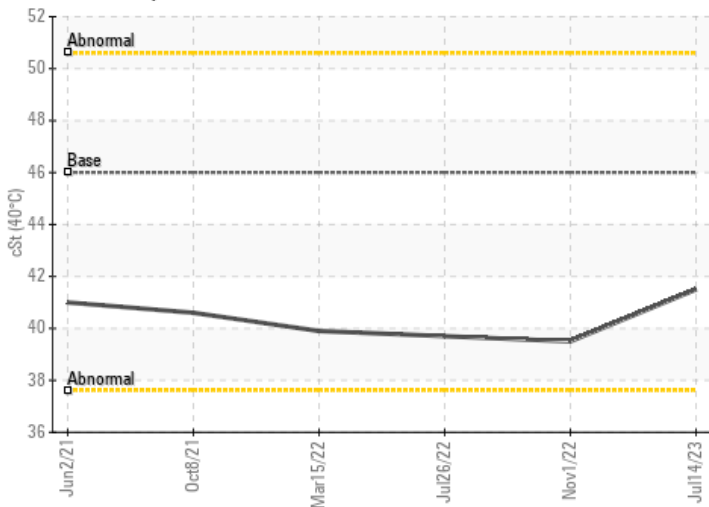
Ferrous Alloys



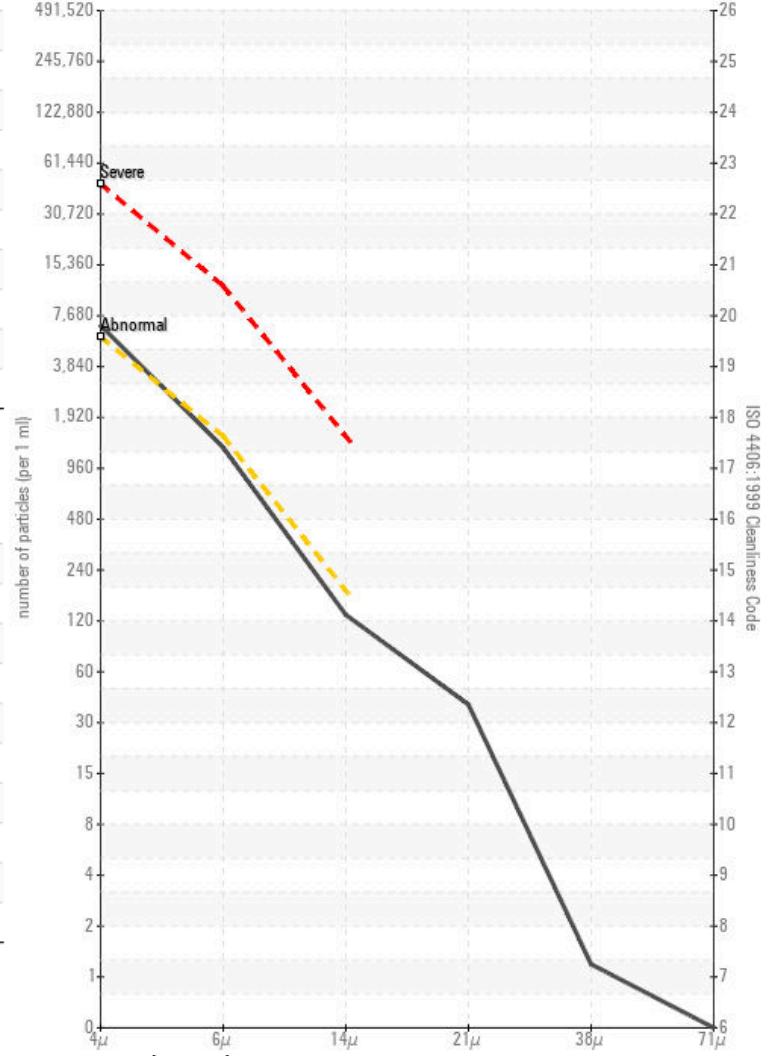
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

