



CONSTRUCTION EQUIPMENT

SPM595749 WM CRYSTAL VOLVO L150H 7152 - HYDRAULIC SYSTEM



Sample No: VCP425437
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM595749 WM CRYSTAL



SAMPLE INFORMATION

Sample Number	VCP425437	VCP420655	VCP409356	VCP419994
Sample Date	12 Sep 2023	26 Jul 2023	05 Jul 2023	25 May 2023
Machine Hours	1861	1575	1396	1087
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	41.4	41.8	42.0	42.1
Acid Number (AN)	mg KOH/g	0.35	0.31	0.36	0.32



CONTAMINATION

Particles >4µm		13438	1481	1892	11652
Particles >6µm		2774	290	215	1600
Particles >14µm		91	34	12	79
ISO 4406:1999 (c)		21/19/14	18/15/12	18/15/11	21/18/13
Silicon	ppm	<1	1	<1	<1
Sodium	ppm	1	2	<1	0
Potassium	ppm	<1	0	0	2

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



ADDITIVES

Calcium	ppm	59	50	68	53
Magnesium	ppm	1	0	6	<1
Zinc	ppm	434	419	445	427
Phosphorus	ppm	351	336	354	310
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: VOLVO8885
Unique No: 10658207
Signed: Wes Davis
Report Date: 22 Sep 2023

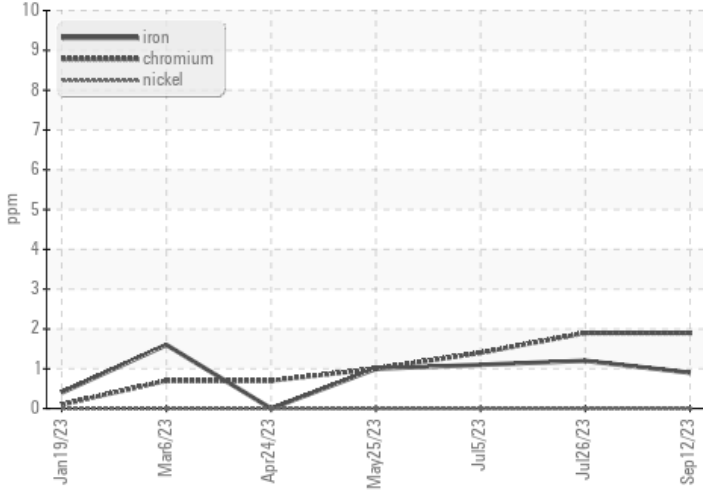


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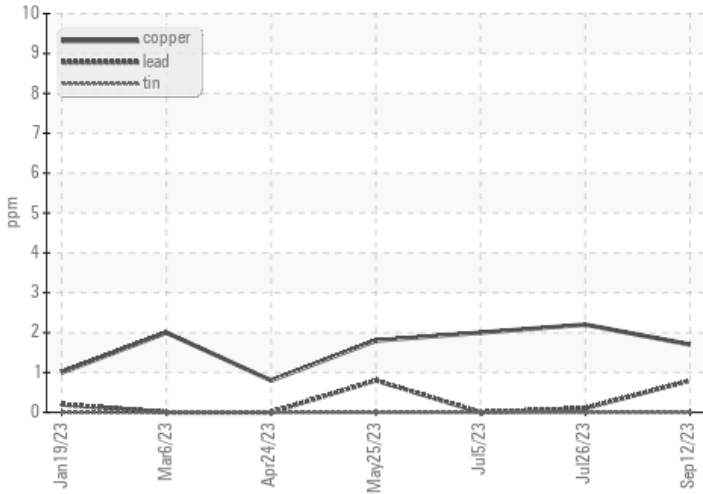


GRAPHS

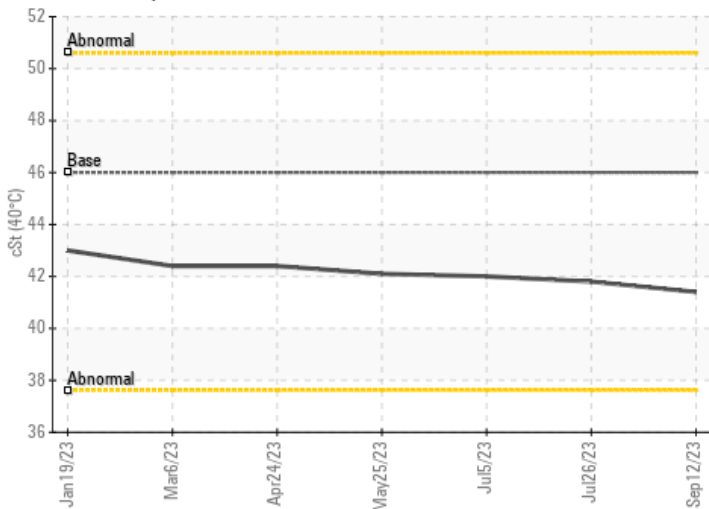
Ferrous Alloys



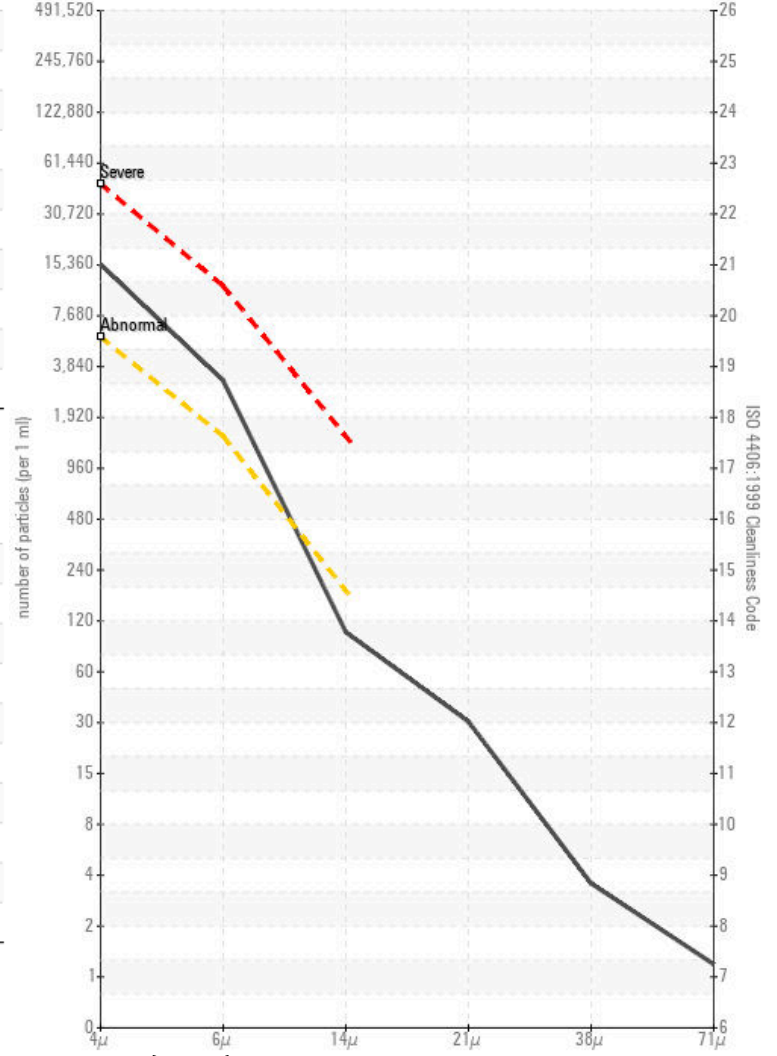
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

