



CONSTRUCTION EQUIPMENT

VOLVO L150H 6957 - HYDRAULIC SYSTEM



Sample No: VCP414419
Oil Type: AW HYDRAULIC OIL ISO 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP414419	VCP393271	VCP387695	VCP388839
Sample Date	18 Jul 2023	16 Jun 2023	30 Mar 2023	24 Feb 2023
Machine Hours	8533	6332	5552	5108
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	ATTENTION	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	41.1	40.0	41.6	40.5
Acid Number (AN)	mg KOH/g	0.30	0.37	0.45	0.39



CONTAMINATION

Particles >4µm		4665	3640	1734	9197
Particles >6µm		1636	1068	508	3142
Particles >14µm		177	119	27	227
ISO 4406:1999 (c)		19/18/15	19/17/14	18/16/12	20/19/15
Silicon	ppm	5	10	9	8
Sodium	ppm	3	4	3	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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	5	10	8	0
Copper	ppm	3	4	3	4
Lead	ppm	<1	2	2	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	4	10	8	6
Chromium	ppm	3	2	1	1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	0
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	49	47	50	41
Magnesium	ppm	1	1	4	0
Zinc	ppm	422	434	465	434
Phosphorus	ppm	345	340	354	337
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: VOLV00157
Unique No: 10565658
Signed: Wes Davis
Report Date: 24 Jul 2023

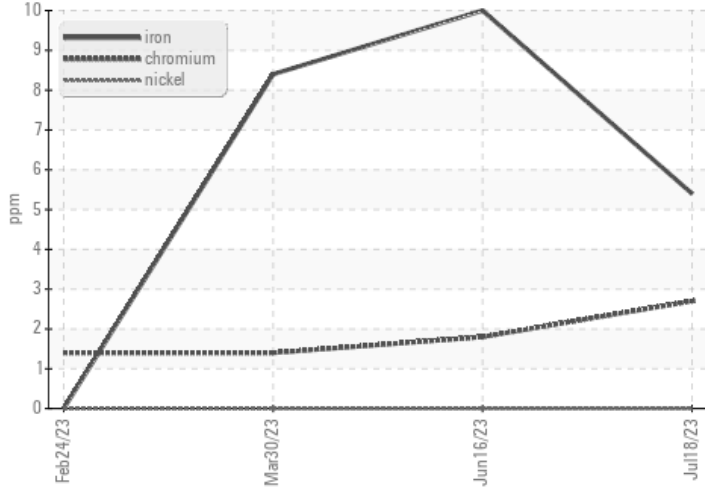


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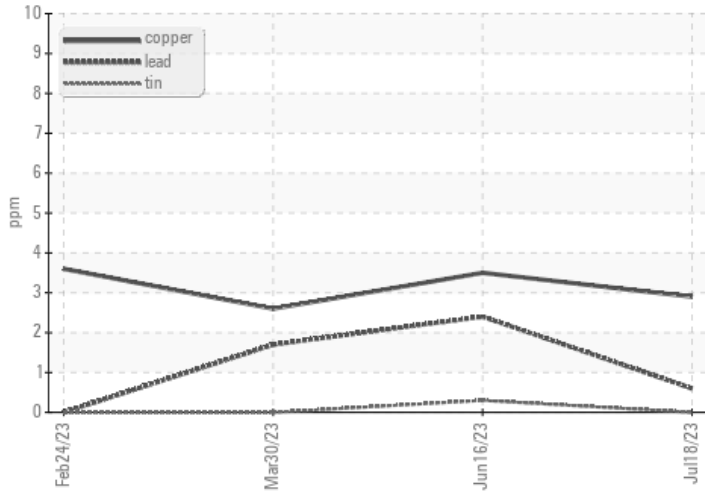


VOLVO GRAPHS

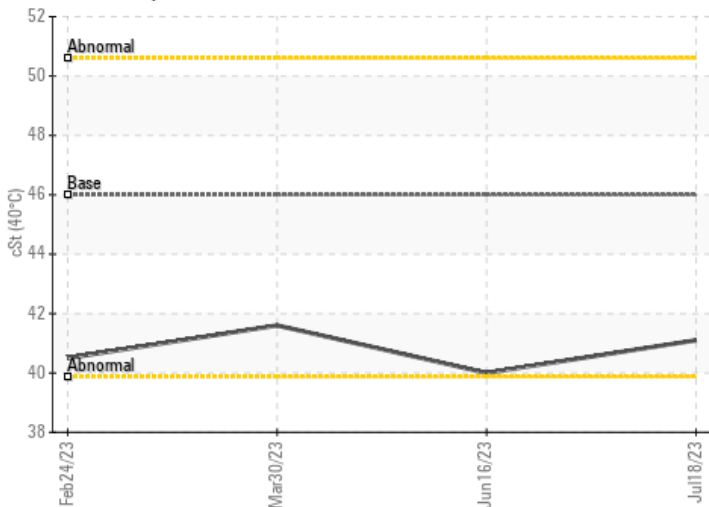
Ferrous Alloys



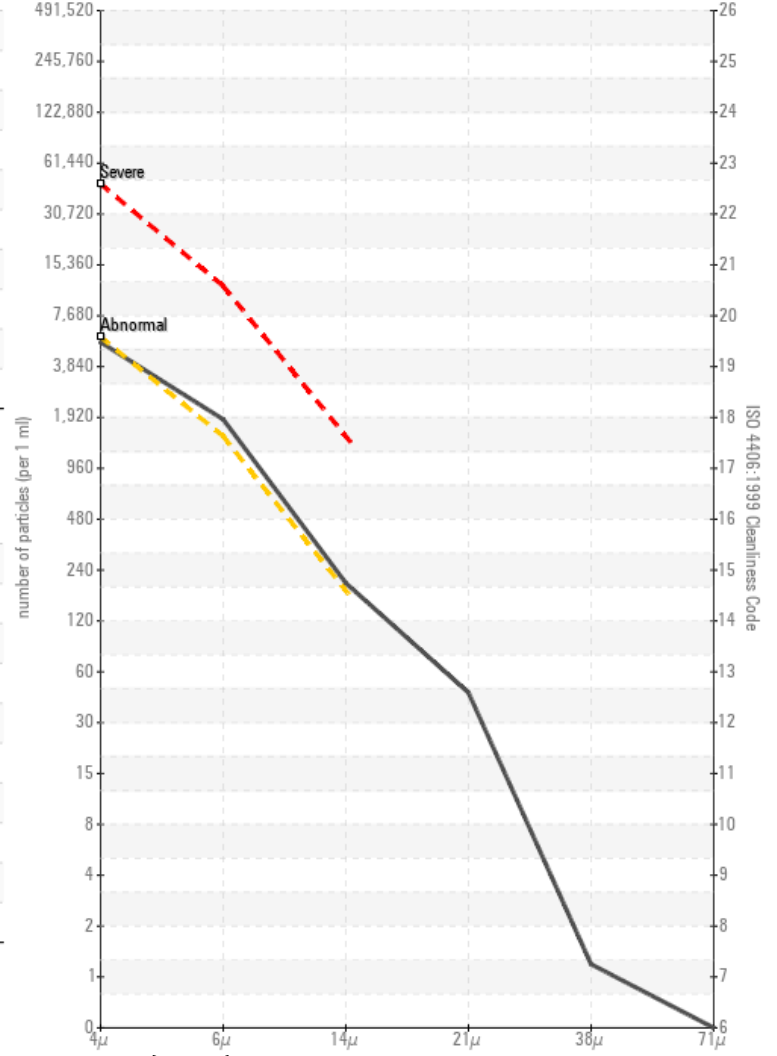
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

