



CONSTRUCTION EQUIPMENT

VOLVO L150E 6951 - HYDRAULIC SYSTEM



Sample No: VCP414977
Oil Type: AW HYDRAULIC OIL ISO 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP414977	VCP421035	VCP382768	VCP0005106
Sample Date	25 Sep 2023	02 Jun 2023	02 Mar 2023	09 Jan 2023
Machine Hours	6064	5143	4470	4079
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	N/A
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

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 3561 JONES SAUSAGE ROAD
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 US 27529
 Contact: TRENT BROADWELL
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 T: (919)661-8817
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OIL CONDITION

Visc @ 40°C	cSt	41.2	41.2	41.4	41.3
Acid Number (AN)	mg KOH/g	0.28	0.28	0.35	0.36

CONTAMINATION

Particles >4µm		4693	4910	4291	6918
Particles >6µm		976	1262	1015	629
Particles >14µm		94	66	75	40
ISO 4406:1999 (c)		19/17/14	19/17/13	19/17/13	20/16/12
Silicon	ppm	7	5	5	4
Sodium	ppm	4	2	<1	<1
Potassium	ppm	<1	1	<1	0

Diagnosis
 The filter change at the time of sampling has been noted. 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	7	5	6	6
Copper	ppm	3	2	2	3
Lead	ppm	<1	<1	<1	2
Tin	ppm	<1	0	0	0
Aluminum	ppm	6	4	3	4
Chromium	ppm	4	2	2	2
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	48	46	45	50
Magnesium	ppm	<1	1	4	0
Zinc	ppm	407	408	397	477
Phosphorus	ppm	291	331	317	358
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: VOLV00157
Unique No: 10668733
Signed: Wes Davis
Report Date: 28 Sep 2023

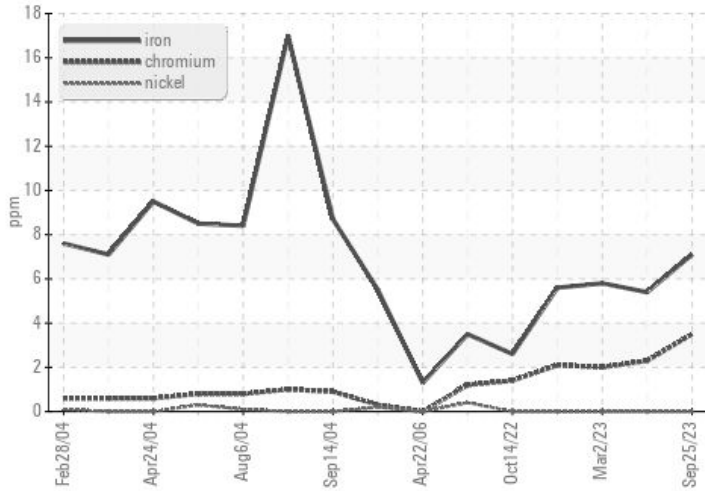


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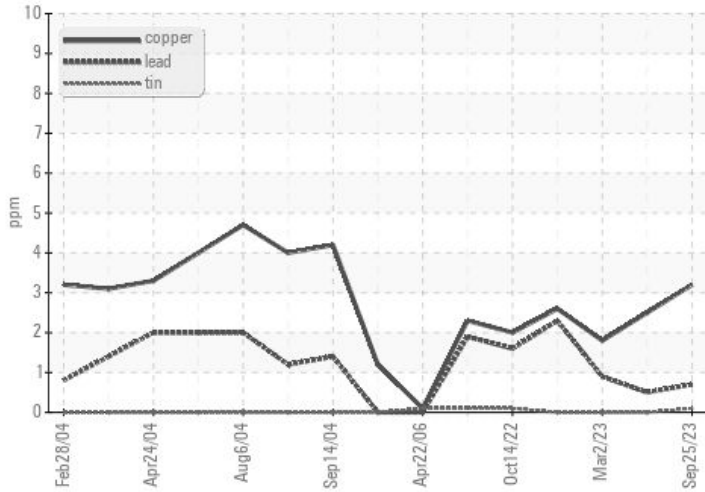


GRAPHS

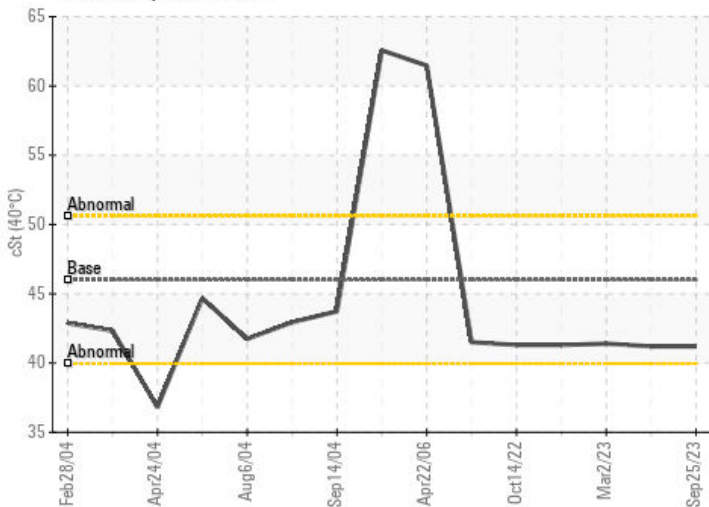
Ferrous Alloys



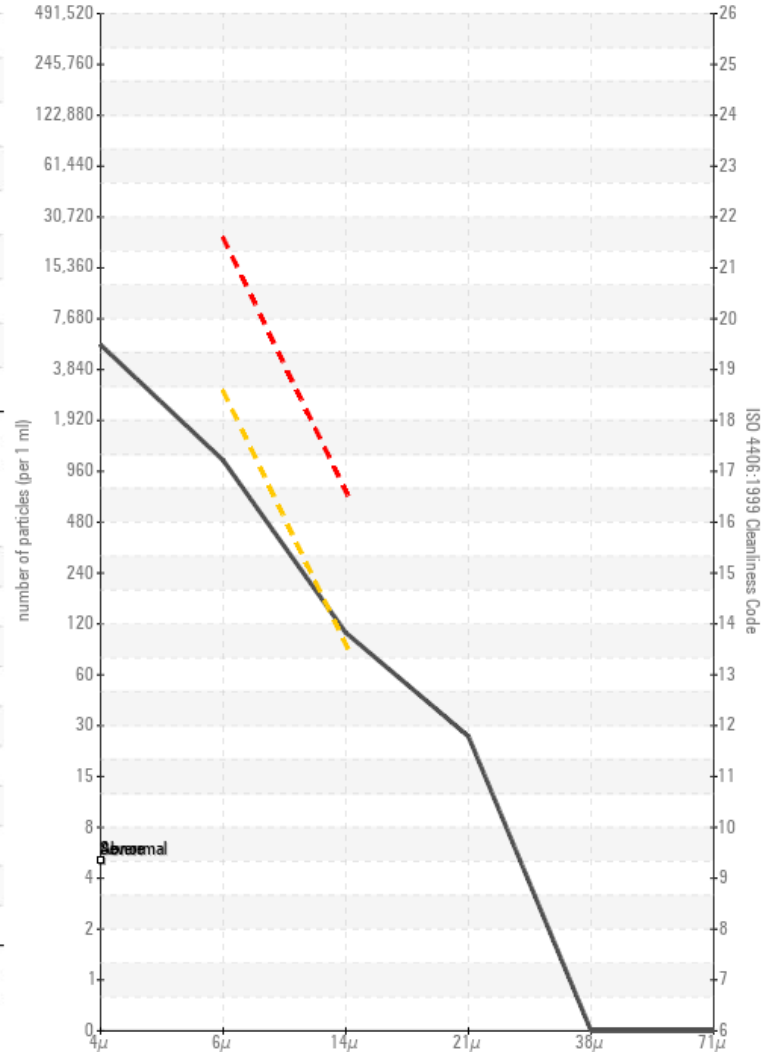
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

