



CONSTRUCTION EQUIPMENT

VOLVO L150H 4487 - HYDRAULIC SYSTEM



Sample No: VCP401933

Oil Type: MOBIL 10W

Job No:



SAMPLE INFORMATION

Sample Number	VCP401933	VCP385223	VCP378550	VCP362766
Sample Date	15 Aug 2023	26 May 2023	11 Apr 2023	07 Mar 2023
Machine Hours	17210	16750	16479	16278
Oil Hours	1569	271	838	637
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	39.5	45.4	39.6	39.8
Acid Number (AN)	mg KOH/g	1.07	1.11	1.13	1.09



CONTAMINATION

Particles >4µm		84679	99412	33934	28749
Particles >6µm		22180	36620	8497	7652
Particles >14µm		370	1298	232	191
ISO 4406:1999 (c)		24/22/16	24/22/17	22/20/15	22/20/15
Silicon	ppm	13	18	12	14
Sodium	ppm	3	3	2	2
Potassium	ppm	0	0	0	0

Diagnosis

No corrective action is recommended at this time. 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 high amount of particulates 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	3	2	2	2
Copper	ppm	1	<1	<1	0
Lead	ppm	<1	0	0	<1
Tin	ppm	0	<1	0	0
Aluminum	ppm	2	<1	2	2
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	2	2	2	2
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	2750	2755	2734	2894
Magnesium	ppm	22	22	23	21
Zinc	ppm	959	957	944	1001
Phosphorus	ppm	758	744	764	765
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	0	<1

Depot: SCHGRE
Unique No: 10617349
Signed: Don Baldrige
Report Date: 24 Aug 2023

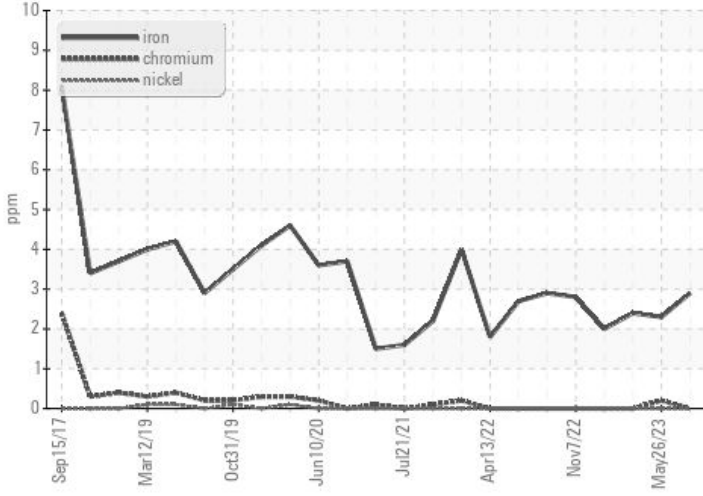


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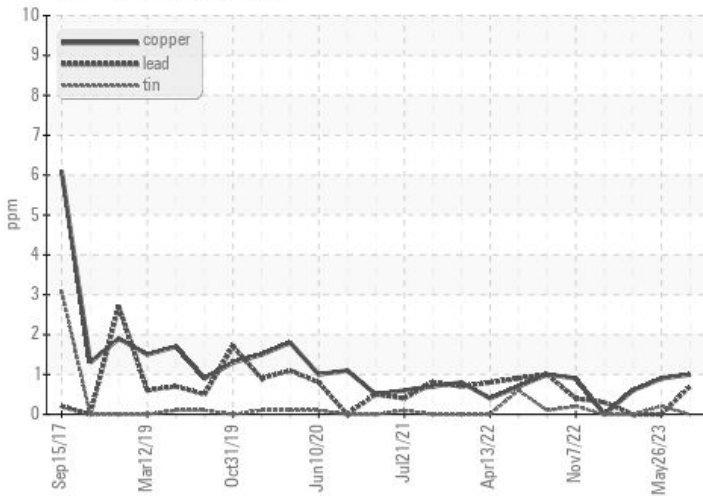


GRAPHS

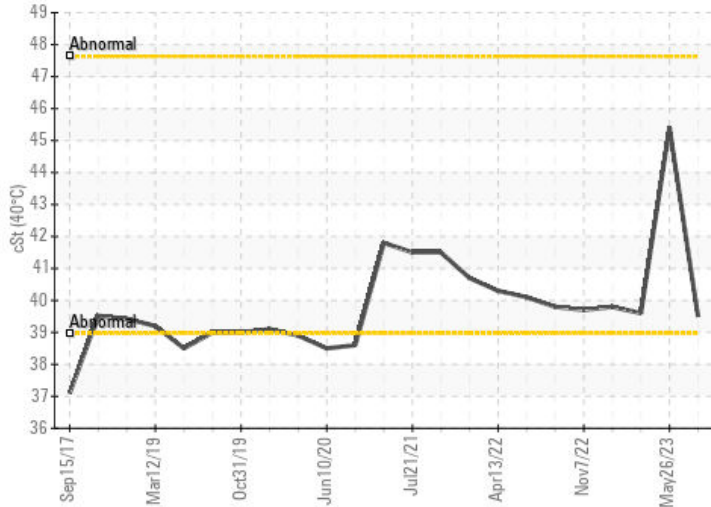
Ferrous Alloys



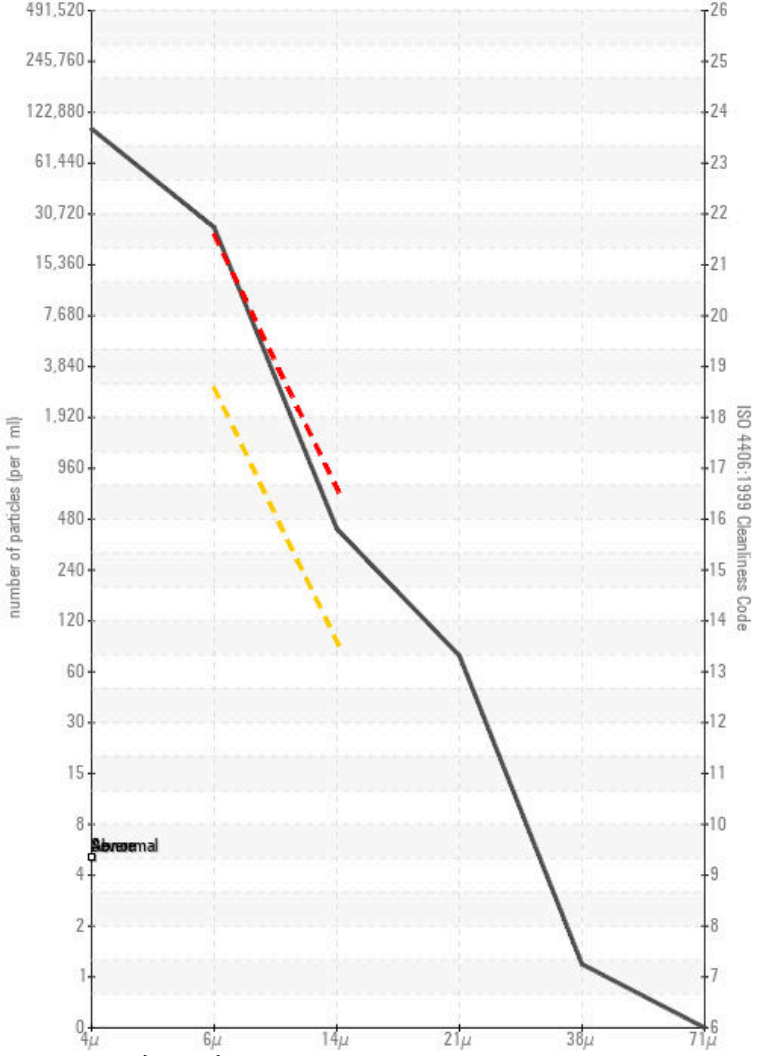
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

