



CONSTRUCTION EQUIPMENT

VOLVO L250H 1038 - HYDRAULIC SYSTEM



Sample No: VCP443117
Oil Type: Hydraulic System Oil
Job No:



SAMPLE INFORMATION

Sample Number	VCP443117	VCP414948	VCP426631	VCP367460
Sample Date	17 Oct 2023	29 Aug 2023	12 Apr 2023	03 Jan 2023
Machine Hours	19417	19087	18265	17646
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	NORMAL	ABNORMAL	ABNORMAL

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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	42.6	42.5	40.1	40.3
Acid Number (AN)	mg KOH/g	0.41	0.53	0.52	0.56



CONTAMINATION

Particles >4µm		5110	1641	---	42476
Particles >6µm		1817	376	---	10299
Particles >14µm		140	39	---	582
ISO 4406:1999 (c)		20/18/14	18/16/12	---	23/21/16
Silicon	ppm	5	4	11	10
Sodium	ppm	2	0	<1	<1
Potassium	ppm	0	2	2	2

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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	11	11
Copper	ppm	<1	1	2	2
Lead	ppm	0	<1	1	1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	2	4	4
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	362	390	764	802
Magnesium	ppm	52	50	111	53
Zinc	ppm	585	595	790	706
Phosphorus	ppm	472	461	641	560
Barium	ppm	0	2	0	0
Boron	ppm	0	0	0	0

Depot: VOLV00157
Unique No: 10699618
Signed: Wes Davis
Report Date: 19 Oct 2023

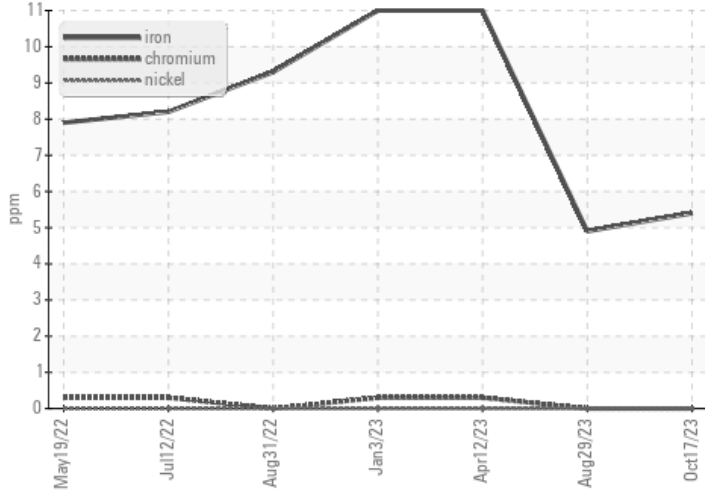


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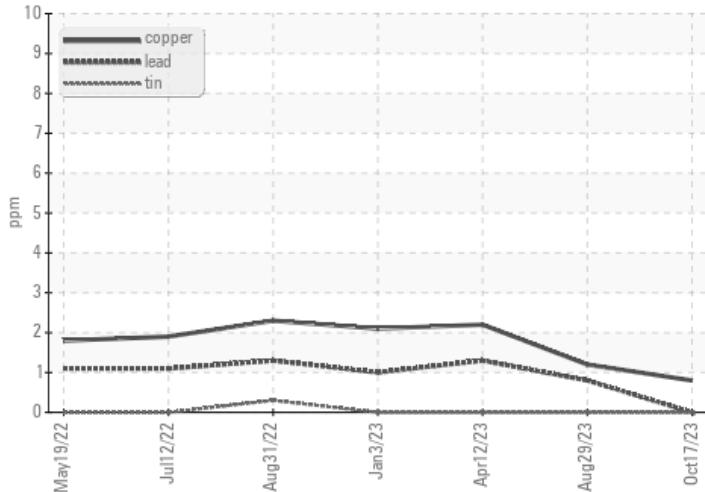


VOLVO GRAPHS

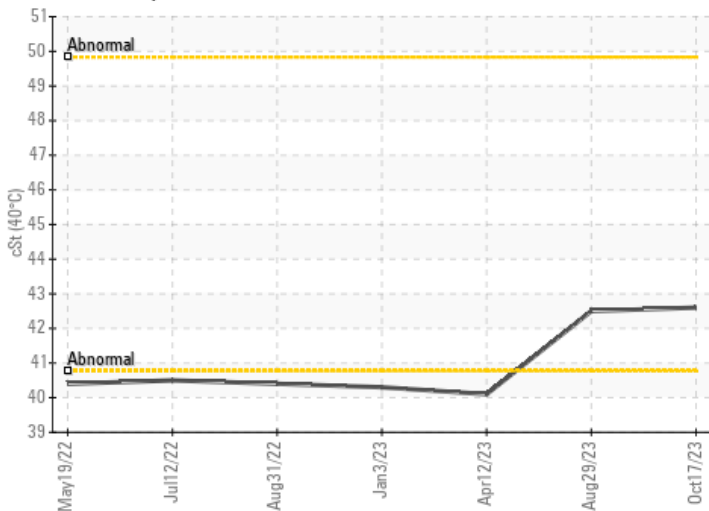
Ferrous Alloys



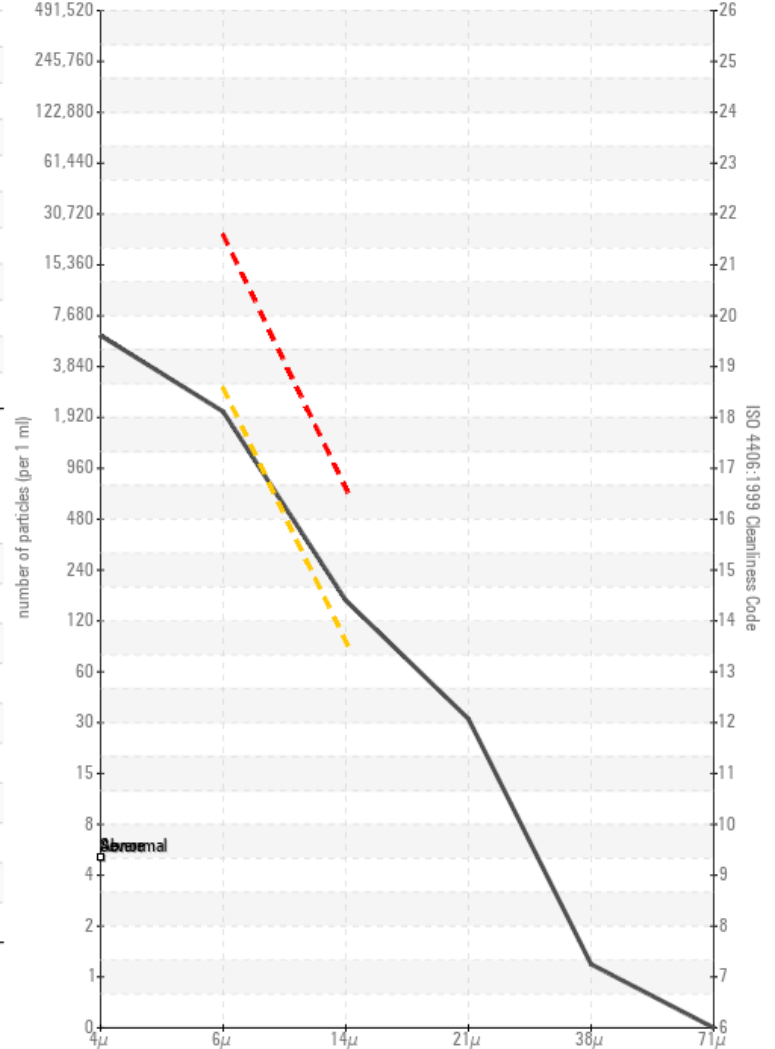
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

