



CONSTRUCTION EQUIPMENT

VOLVO L250H 61 - HYDRAULIC SYSTEM



Sample No: VCP423721
Oil Type: SHELL TELLUS S2 V 68
Job No:



SAMPLE INFORMATION

Sample Number	VCP423721	VCP319749	VCP249946	VCP191982
Sample Date	16 Aug 2023	02 Dec 2021	11 Oct 2019	30 Mar 2018
Machine Hours	16170	12087	0	4600
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	NORMAL	ATTENTION	ATTENTION	ATTENTION

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OIL CONDITION

Visc @ 40°C	cSt	59.3	51.1	53.8	51.1
Acid Number (AN)	mg KOH/g	0.28	0.284	0.284	0.398

CONTAMINATION

Particles >4µm		3444	4217	1097	3533
Particles >6µm		771	630	254	934
Particles >14µm		23	36	13	149
ISO 4406:1999 (c)		19/17/12	19/16/12	17/15/11	19/17/14
Silicon	ppm	0	<1	<1	<1
Sodium	ppm	0	1	2	2
Potassium	ppm	<1	0	0	1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

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

ADDITIVES

Calcium	ppm	69	74	80	95
Magnesium	ppm	58	6	4	2
Zinc	ppm	351	397	397	407
Phosphorus	ppm	278	342	303	325
Barium	ppm	1	0	0	0
Boron	ppm	0	4	2	3

Depot: JMHMAR
Unique No: 10621336
Signed: Wes Davis
Report Date: 29 Aug 2023

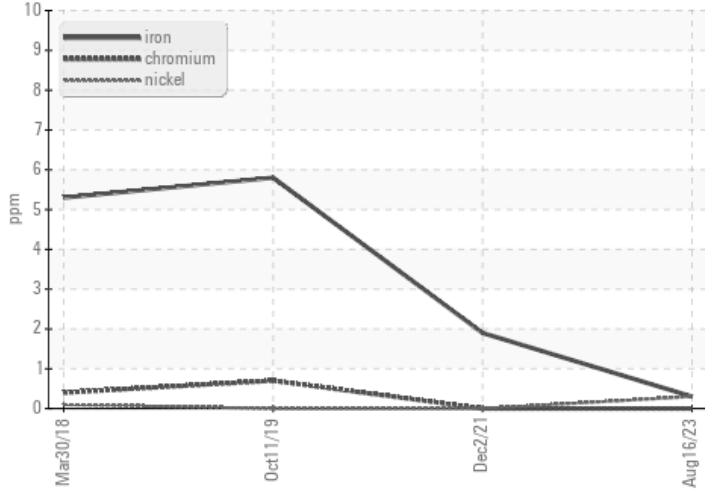


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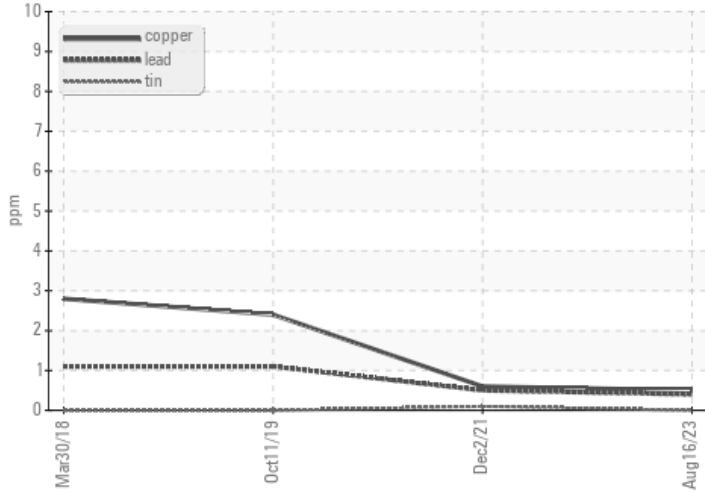


GRAPHS

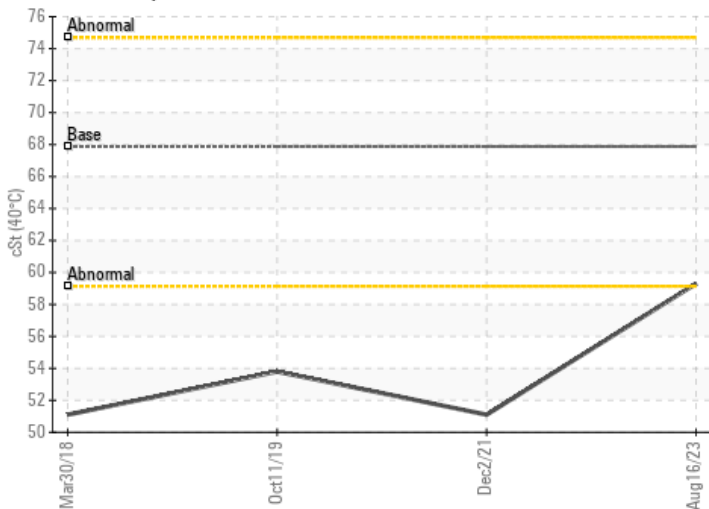
Ferrous Alloys



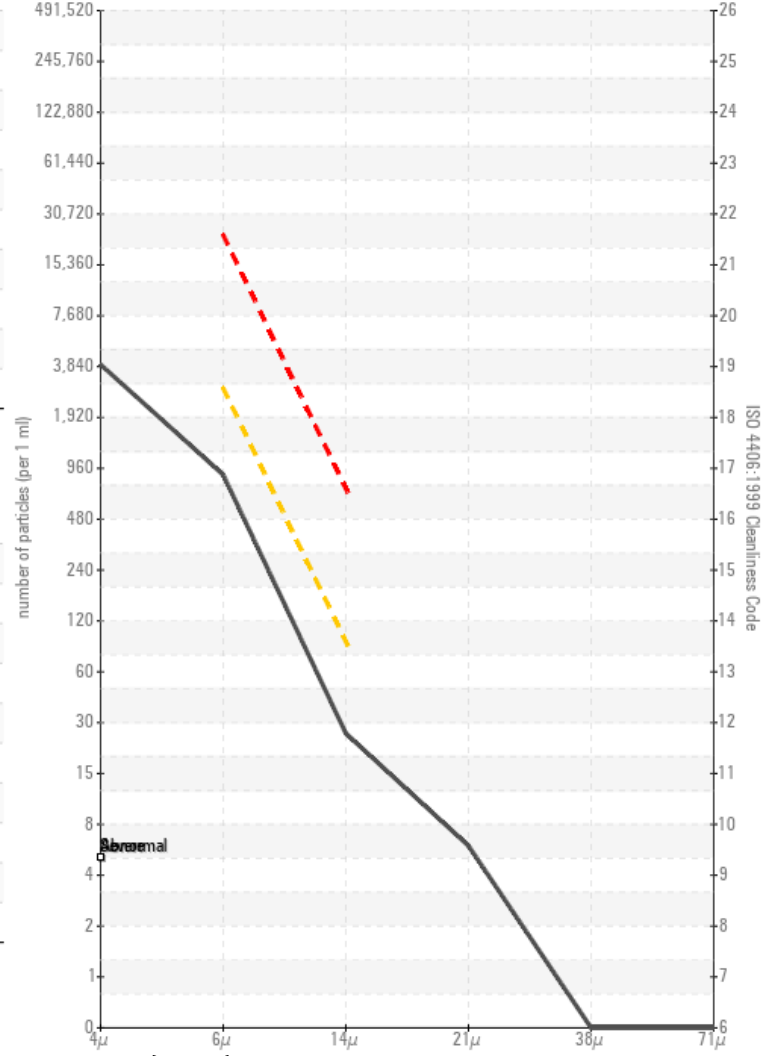
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

