



CONSTRUCTION EQUIPMENT

SPM566281 VOLVO L150H 6938 - HYDRAULIC SYSTEM



Sample No: VCP423137
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM566281



SAMPLE INFORMATION

Sample Number	VCP423137	VCP410978	VCP364746	VCP358244
Sample Date	14 Jun 2023	04 Apr 2023	23 Aug 2022	19 Mar 2022
Machine Hours	9087	5815	6938	3104
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	ATTENTION	ABNORMAL	NORMAL	ABNORMAL

SIMS METAL MANAGEMENT

2500 S. PAULINA
 CHICAGO, IL
 US 60608
 Contact: RYAN WISE
 ryan.wise@simsmm.com
 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	44.5	44.3	41.5	41.6
Acid Number (AN)	mg KOH/g	0.38	0.40	0.37	0.36

CONTAMINATION

Particles >4µm	8503	31643	4289	13975	
Particles >6µm	2086	8260	400	1367	
Particles >14µm	122	375	19	82	
ISO 4406:1999 (c)	20/18/14	22/20/16	19/16/11	21/18/14	
Silicon	ppm	1	<1	1	<1
Sodium	ppm	<1	1	0	2
Potassium	ppm	<1	0	2	0

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate 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	2	2	5	4
Copper	ppm	<1	<1	3	2
Lead	ppm	<1	0	2	1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	0	0	1	<1
Chromium	ppm	1	1	3	3
Molybdenum	ppm	2	2	<1	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	91	61	57	56
Magnesium	ppm	3	2	<1	0
Zinc	ppm	450	480	396	425
Phosphorus	ppm	342	393	314	360
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	2

Depot: SIMCHIL
Unique No: 10548647
Signed: Doug Bogart
Report Date: 10 Jul 2023

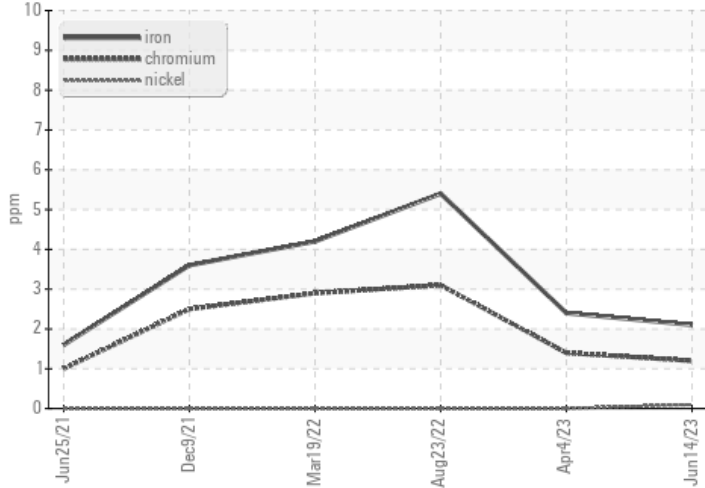


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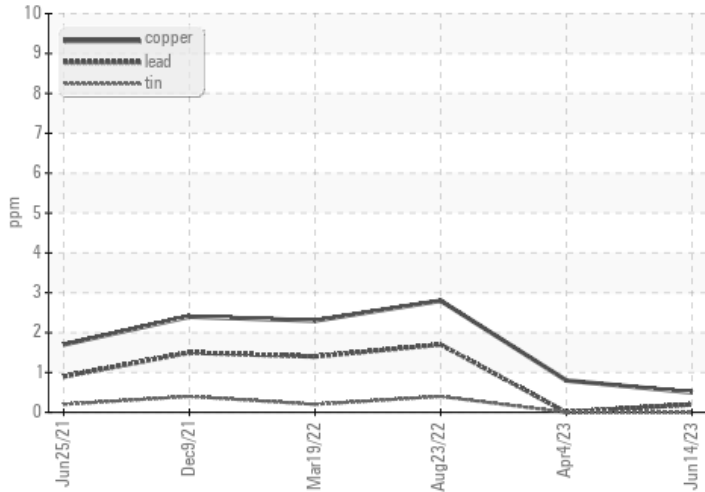


VOLVO GRAPHS

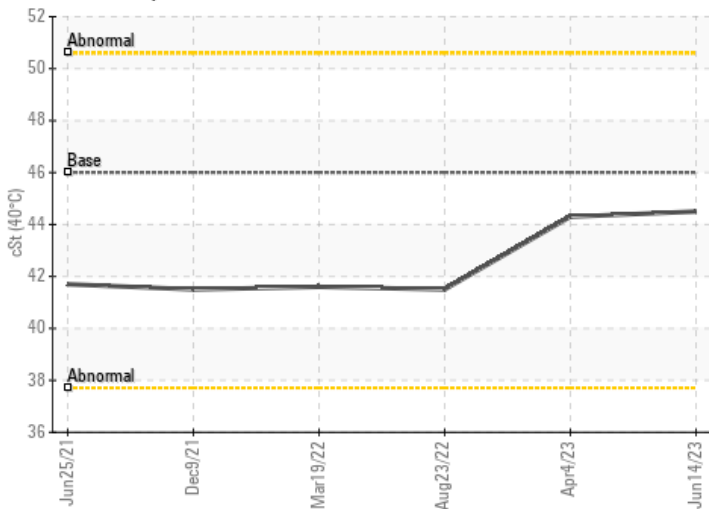
Ferrous Alloys



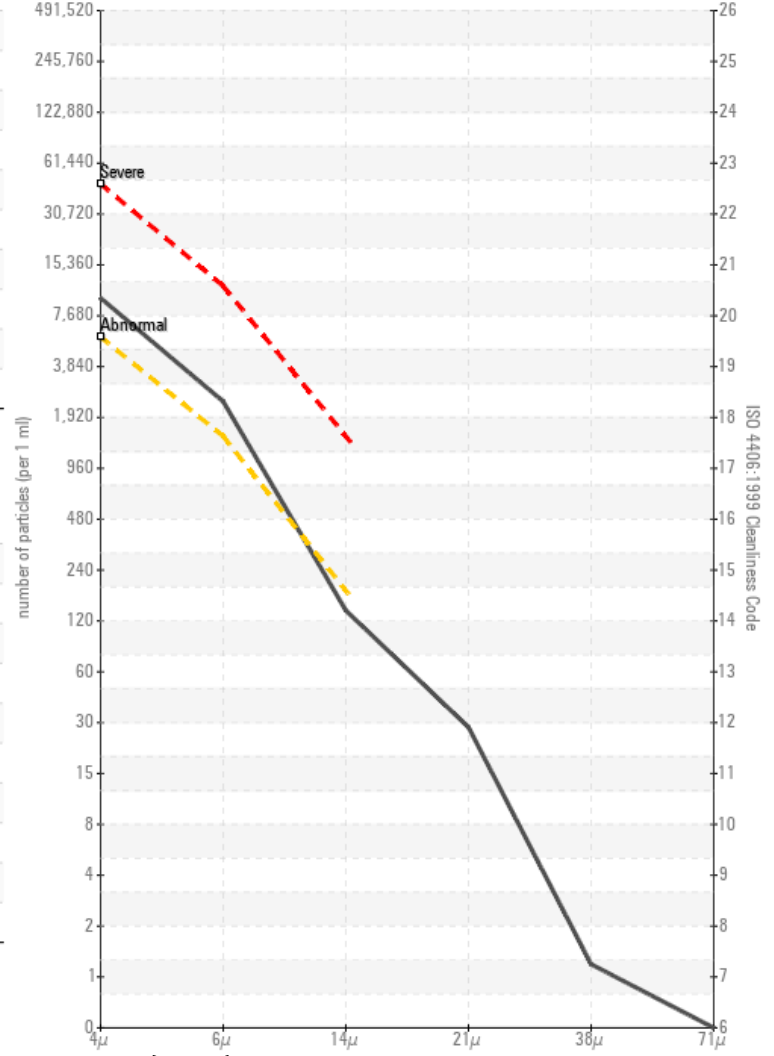
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

