



CONSTRUCTION EQUIPMENT

SPM620300 VOLVO L150H 6952 - HYDRAULIC SYSTEM



Sample No: VCP415346
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM620300



SAMPLE INFORMATION

Sample Number	VCP415346	VCP415462	VCP420669	VCP423214
Sample Date	12 Oct 2023	25 Aug 2023	19 Jul 2023	01 Jun 2023
Machine Hours	11878	11277	10311	10051
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	ABNORMAL	NORMAL	ABNORMAL	NORMAL

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	42.6	43.1	43.82	43.1
Acid Number (AN)	mg KOH/g	0.41	0.43	0.43	0.44

CONTAMINATION

Particles >4µm	21264	3567	49813	3515
Particles >6µm	7165	874	15362	728
Particles >14µm	712	62	961	36
ISO 4406:1999 (c)	22/20/17	19/17/13	23/21/17	19/17/12
Silicon	ppm	<1	<1	<1
Sodium	ppm	0	4	2
Potassium	ppm	<1	0	0

Diagnosis

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

WEAR METALS

Iron	ppm	3	6	6	6
Copper	ppm	<1	1	<1	2
Lead	ppm	0	<1	0	1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	0	<1	<1	0
Chromium	ppm	4	4	4	3
Molybdenum	ppm	0	<1	<1	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	0
Vanadium	ppm	0	<1	0	0

ADDITIVES

Calcium	ppm	68	73	70	68
Magnesium	ppm	12	4	11	10
Zinc	ppm	506	500	499	515
Phosphorus	ppm	387	406	385	392
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: SIMCHIL
Unique No: 10712945
Signed: Wes Davis
Report Date: 27 Oct 2023

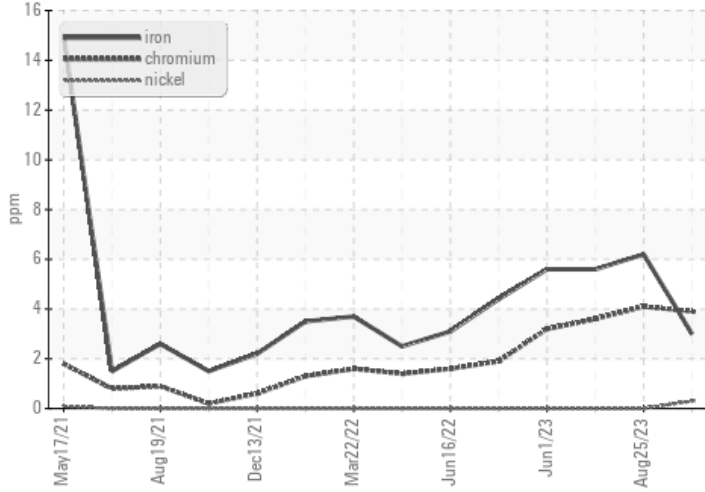


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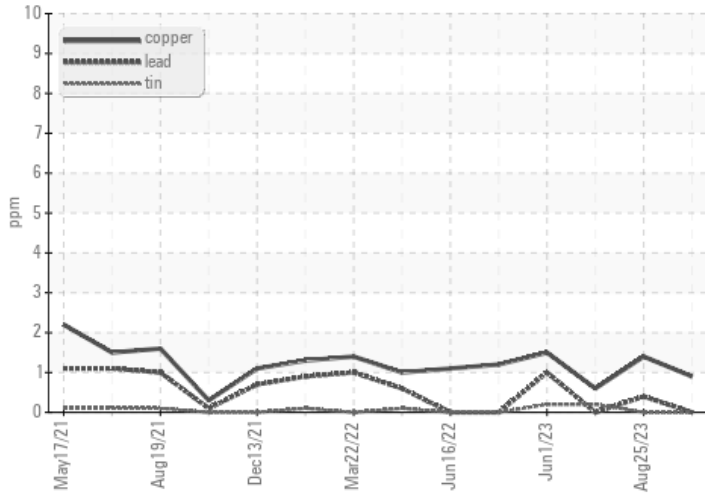


VOLVO GRAPHS

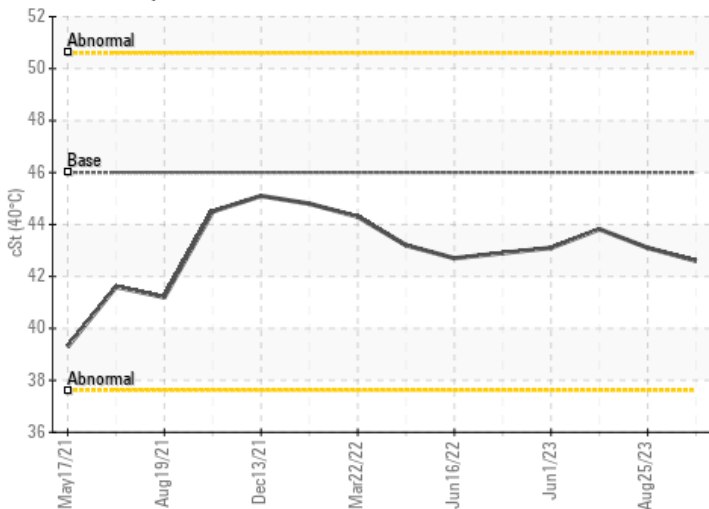
Ferrous Alloys



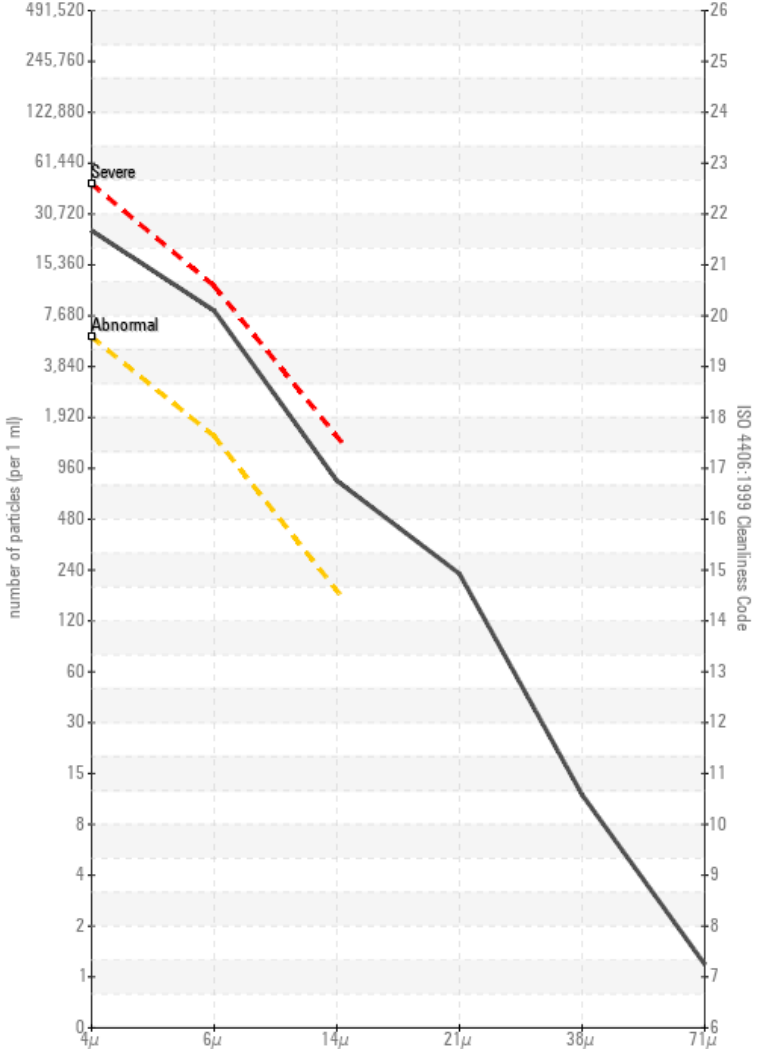
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

