



CONSTRUCTION EQUIPMENT

SPM595387 VOLVO L150H 6952 - HYDRAULIC SYSTEM



Sample No: VCP415462
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM595387



SAMPLE INFORMATION

Sample Number	VCP415462	VCP420669	VCP423214	VCP387072
Sample Date	25 Aug 2023	19 Jul 2023	01 Jun 2023	02 Nov 2022
Machine Hours	11277	10311	10051	3006
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	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	43.1	43.82	43.1	42.9
Acid Number (AN)	mg KOH/g	0.43	0.43	0.44	0.44

CONTAMINATION

Particles >4µm	3567	49813	3515	24013
Particles >6µm	874	15362	728	4631
Particles >14µm	62	961	36	180
ISO 4406:1999 (c)	19/17/13	23/21/17	19/17/12	22/19/15
Silicon	ppm	<1	<1	<1
Sodium	ppm	4	2	0
Potassium	ppm	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	6	6	6	4
Copper	ppm	1	<1	2	1
Lead	ppm	<1	0	1	0
Tin	ppm	0	<1	<1	0
Aluminum	ppm	<1	<1	0	<1
Chromium	ppm	4	4	3	2
Molybdenum	ppm	<1	<1	0	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	0
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	73	70	68	60
Magnesium	ppm	4	11	10	8
Zinc	ppm	500	499	515	511
Phosphorus	ppm	406	385	392	402
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: SIMCHIL
Unique No: 10634134
Signed: Wes Davis
Report Date: 07 Sep 2023

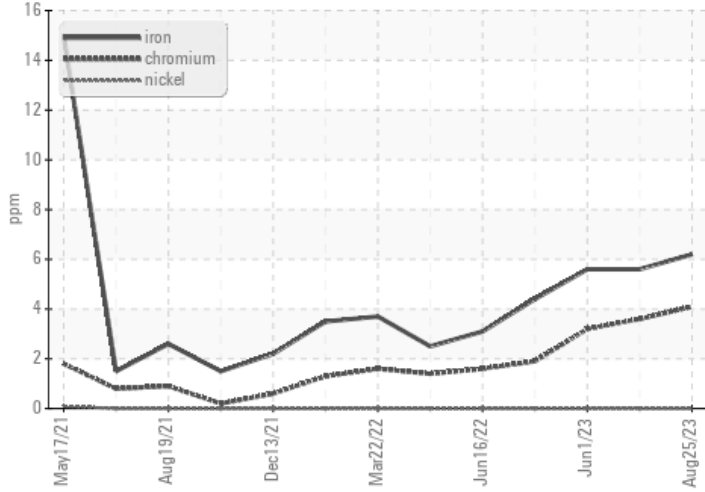


CONSTRUCTION EQUIPMENT

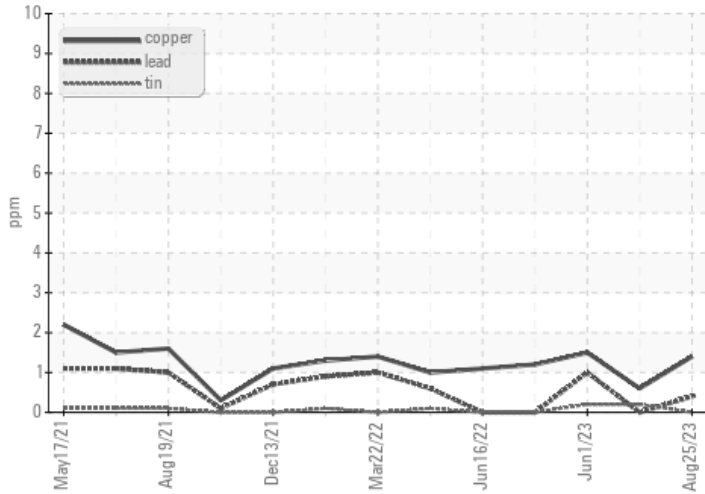


VOLVO GRAPHS

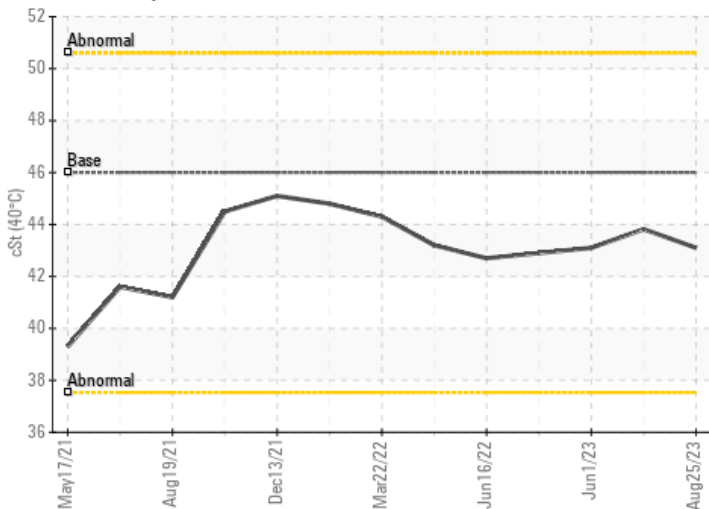
Ferrous Alloys



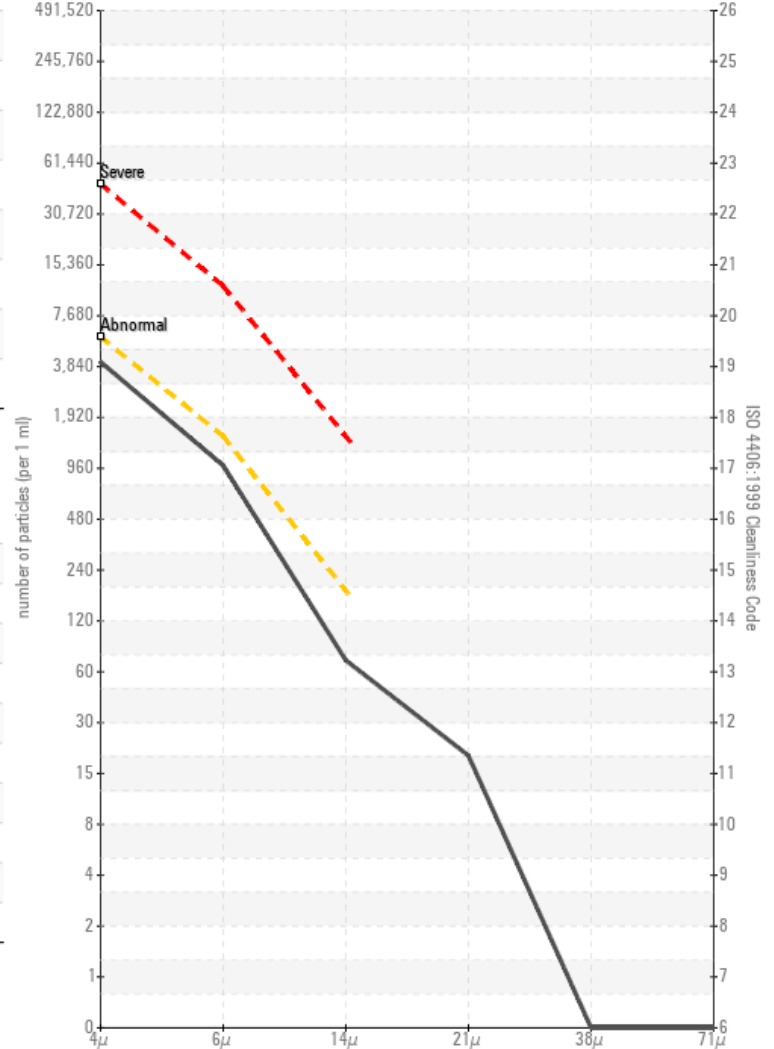
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

