



CONSTRUCTION EQUIPMENT

VOLVO L150H 6972 - HYDRAULIC SYSTEM



Sample No: VCP0007494

Oil Type: AW HYDRAULIC OIL ISO 46

Job No:



SAMPLE INFORMATION

Sample Number	VCP0007494	VCP0007539	VCP0007554	VCP0006229
Sample Date	06 Sep 2023	12 Jun 2023	21 Apr 2023	20 Feb 2023
Machine Hours	6011	4999	4999	4363
Oil Hours	6011	4999	4999	4363
Oil Changed	N/A	N/A	N/A	N/A
Sample Status	NORMAL	ABNORMAL	ABNORMAL	NORMAL

ALTA EQUIPMENT COMPANY

8750 PHILIPS HWY
JACKSONVILLE, FL
US 32256

Contact: SHAWN NORTHCRAFT
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OIL CONDITION

Visc @ 40°C	cSt	45.1	44.9	44.6	42.9
Acid Number (AN)	mg KOH/g	0.44	0.52	0.47	0.32



CONTAMINATION

Particles >4µm	3180	37001	10356	605	
Particles >6µm	863	2680	1768	122	
Particles >14µm	67	58	48	7	
ISO 4406:1999 (c)	19/17/13	22/19/13	21/18/13	16/14/10	
Silicon	ppm	<1	2	2	4
Sodium	ppm	<1	0	0	0
Potassium	ppm	0	1	1	<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	0	<1	4	3
Copper	ppm	0	0	2	4
Lead	ppm	0	0	1	2
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	0	3
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	0	8	0
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	0	0	0
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	302	200	192	52
Magnesium	ppm	0	1	65	<1
Zinc	ppm	528	494	396	431
Phosphorus	ppm	412	365	309	316
Barium	ppm	0	0	0	<1
Boron	ppm	6	4	8	0

Depot: VOLVO0092
Unique No: 10636257
Signed: Wes Davis
Report Date: 11 Sep 2023

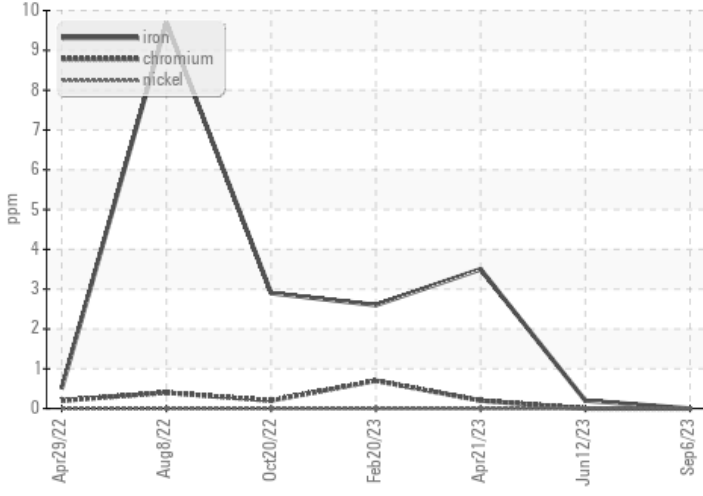


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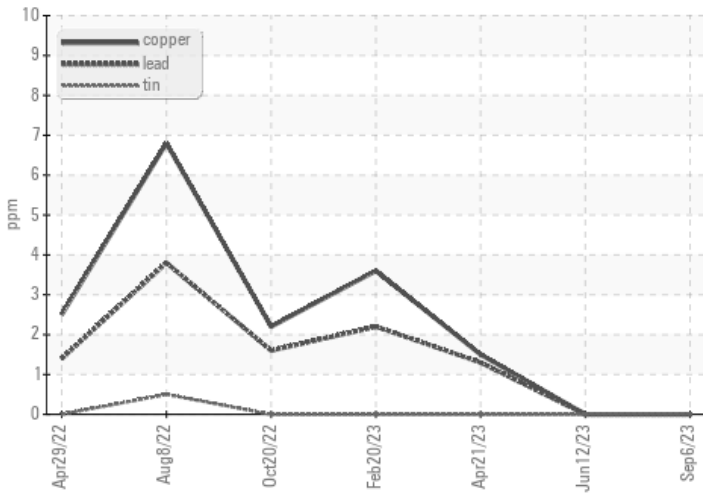


GRAPHS

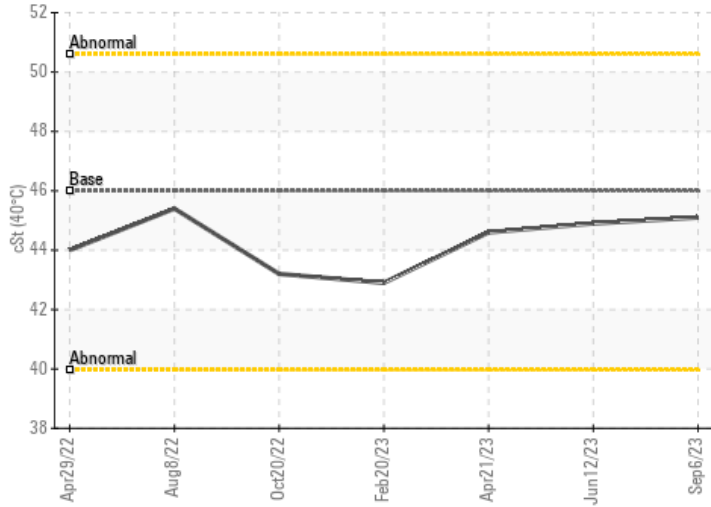
Ferrous Alloys



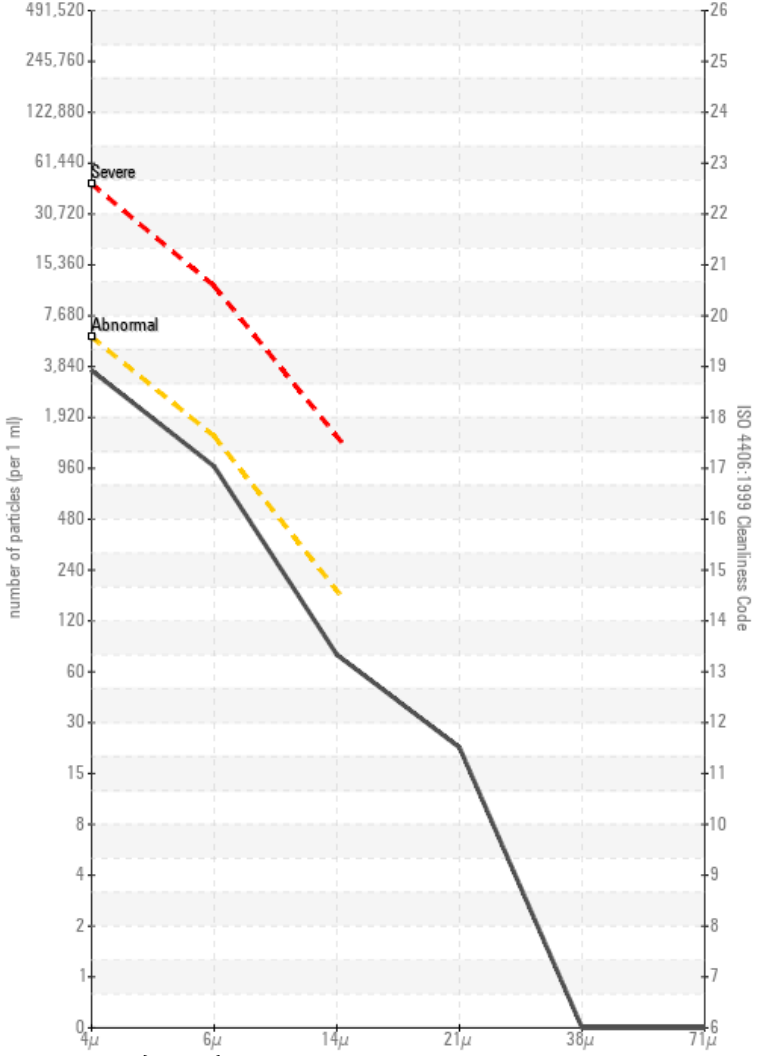
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

