



CONSTRUCTION EQUIPMENT

659872 VOLVO L150H 6945 - HYDRAULIC SYSTEM



Sample No: VCP437451
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 659872



SAMPLE INFORMATION

Sample Number	VCP437451	VCP432773	VCP408194	VCP376665
Sample Date	15 Jan 2024	05 Sep 2023	30 Mar 2023	16 Aug 2022
Machine Hours	7995	6908	5534	3798
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ATTENTION

ORANGE COUNTY SOLID WASTE
 5901 YOUNG PINE ROAD
 ORLANDO, FL
 US 32829
 Contact: MICHAEL BEEBE
 michael.beebe@ocfl.net
 T: (407)836-6652
 F: (407)836-6650

OIL CONDITION

Visc @ 40°C	cSt	38.5	42.6	43.3	44.1
Acid Number (AN)	mg KOH/g	0.44	0.46	0.49	0.47

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		4823	21964	11739	9356
Particles >6µm		908	1705	1728	483
Particles >14µm		30	58	64	14
ISO 4406:1999 (c)		19/17/12	22/18/13	21/18/13	20/16/11
Silicon	ppm	4	5	5	4
Sodium	ppm	2	4	6	5
Potassium	ppm	2	2	2	2

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	2	8	8	5
Copper	ppm	1	5	5	3
Lead	ppm	<1	3	2	3
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	<1	2	2	<1
Chromium	ppm	1	5	3	2
Molybdenum	ppm	4	6	8	7
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	244	402	566	510
Magnesium	ppm	31	21	28	23
Zinc	ppm	442	516	543	549
Phosphorus	ppm	383	418	453	436
Barium	ppm	0	0	0	<1
Boron	ppm	9	0	8	11

Depot: ORAORL
Unique No: 10835611
Signed: Wes Davis
Report Date: 19 Jan 2024

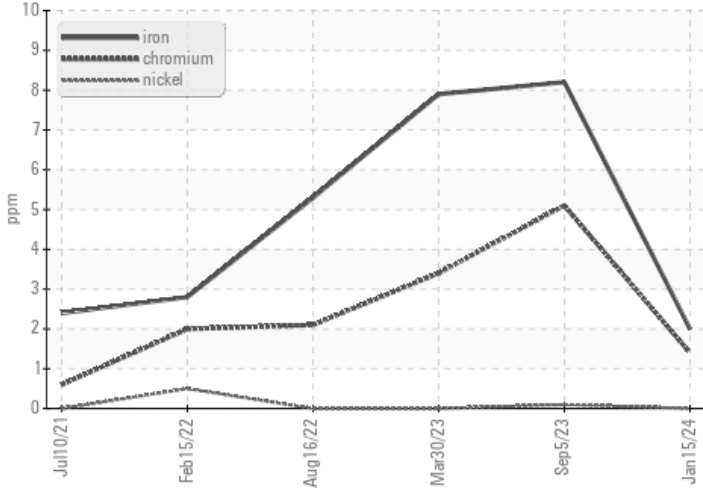


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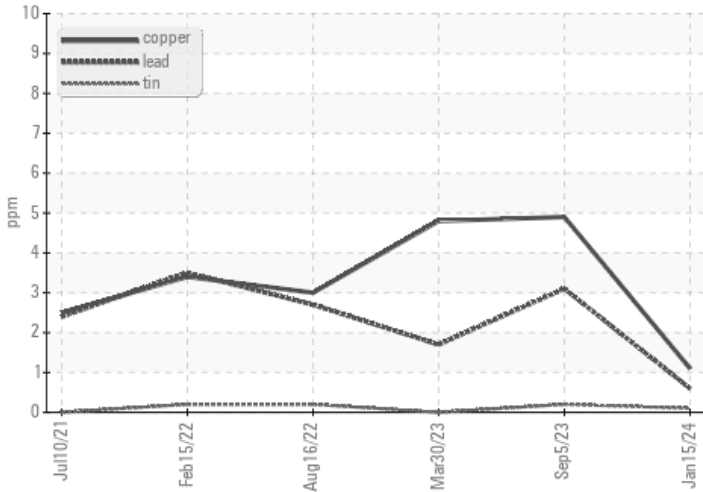


GRAPHS

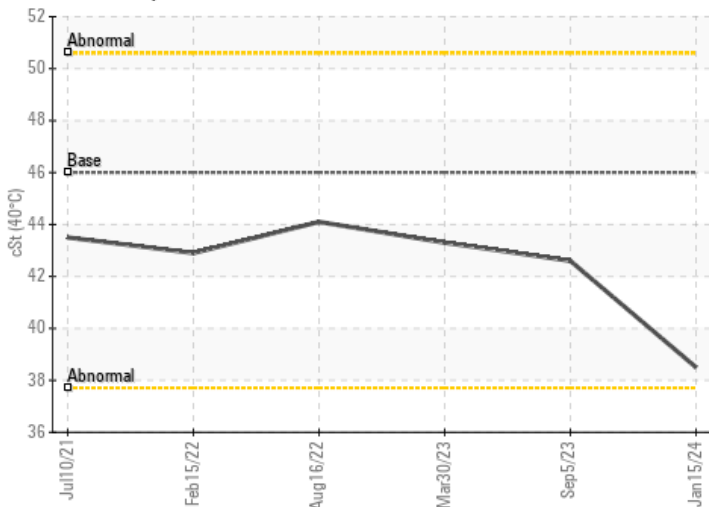
Ferrous Alloys



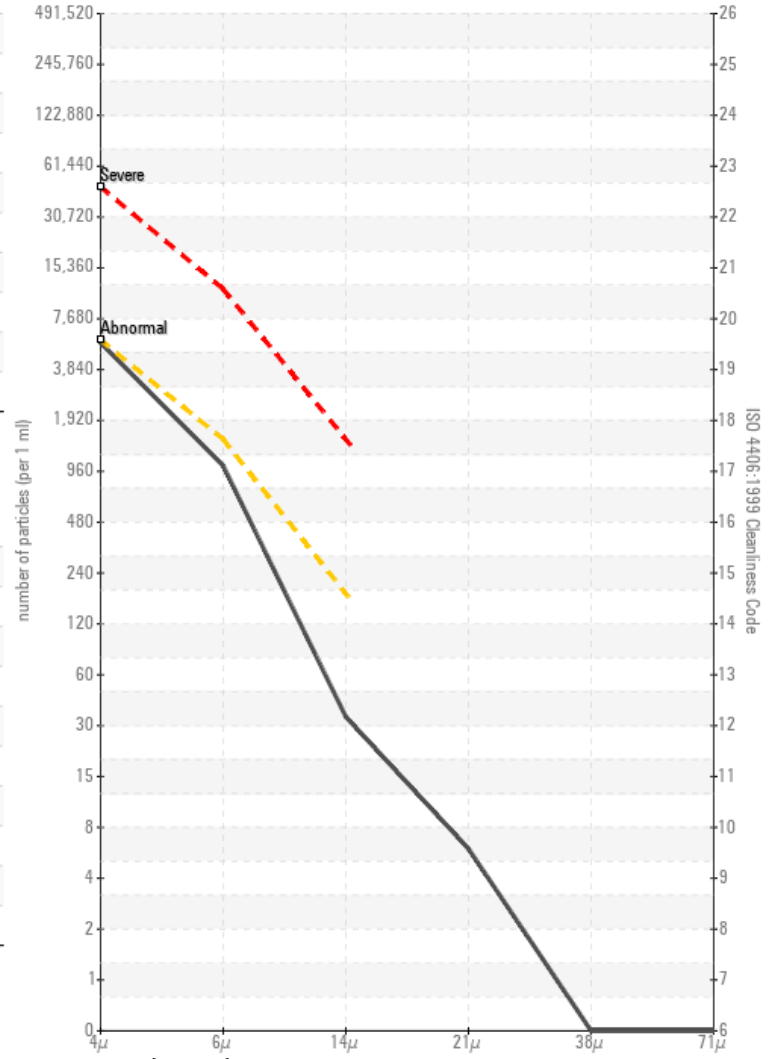
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

