



CONSTRUCTION EQUIPMENT

BULK EXPRESS VOLVO L150H 6937 - HYDRAULIC SYSTEM



Sample No: VCP432360
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: BULK EXPRESS



SAMPLE INFORMATION

Sample Number	VCP432360	VCP432659	VCP411684	VCP408180
Sample Date	20 Dec 2023	29 Aug 2023	26 May 2023	21 Mar 2023
Machine Hours	6648	6060	5504	4909
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	SEVERE	SEVERE	ABNORMAL



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OIL CONDITION

Visc @ 40°C	cSt	46.9	48.2	49.5	49.8
Acid Number (AN)	mg KOH/g	0.51	0.34	0.34	0.34



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		33236	96745	72813	78287
Particles >6µm		4374	18492	9408	10606
Particles >14µm		161	143	82	78
ISO 4406:1999 (c)		22/19/15	24/21/14	23/20/14	23/21/13
Silicon	ppm	<1	15	6	4
Sodium	ppm	4	2	<1	4
Potassium	ppm	2	0	3	2

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. 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 oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	1	7	13	10
Copper	ppm	<1	2	5	4
Lead	ppm	0	0	1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	0	<1	0	<1
Chromium	ppm	<1	<1	2	2
Molybdenum	ppm	<1	<1	1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	73	69	85	80
Magnesium	ppm	0	2	10	10
Zinc	ppm	411	421	446	428
Phosphorus	ppm	318	343	340	333
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: VOLVO0093
Unique No: 10808329
Signed: Wes Davis
Report Date: 02 Jan 2024

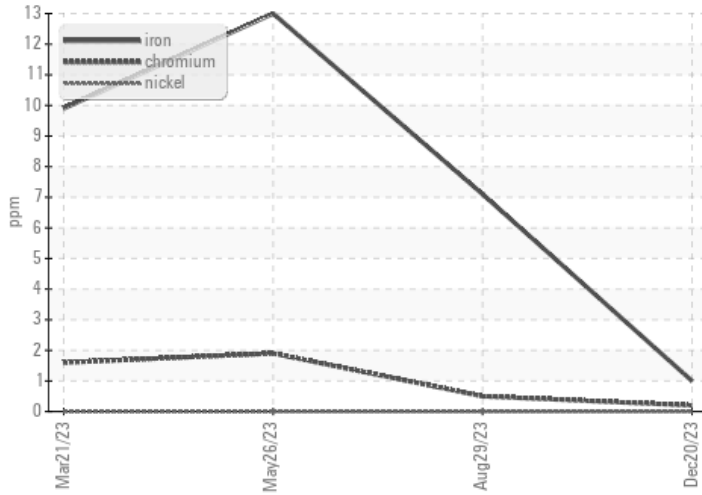


CONSTRUCTION EQUIPMENT

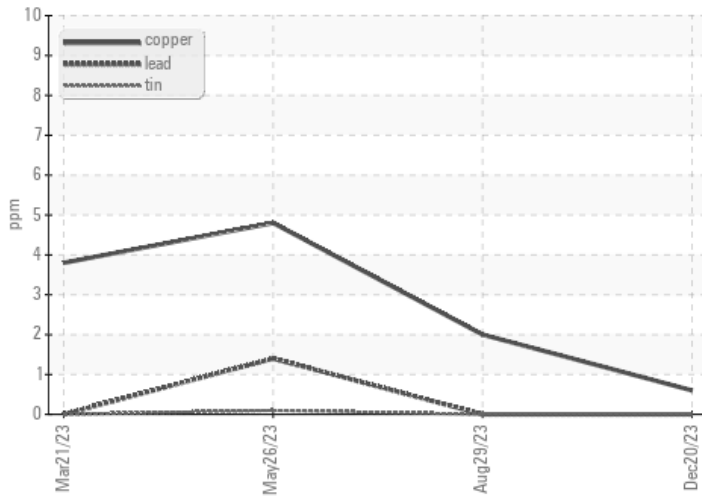


VOLVO GRAPHS

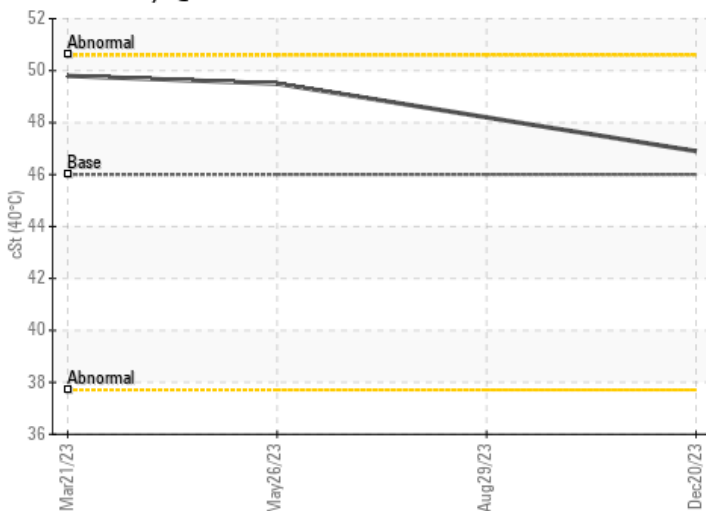
Ferrous Alloys



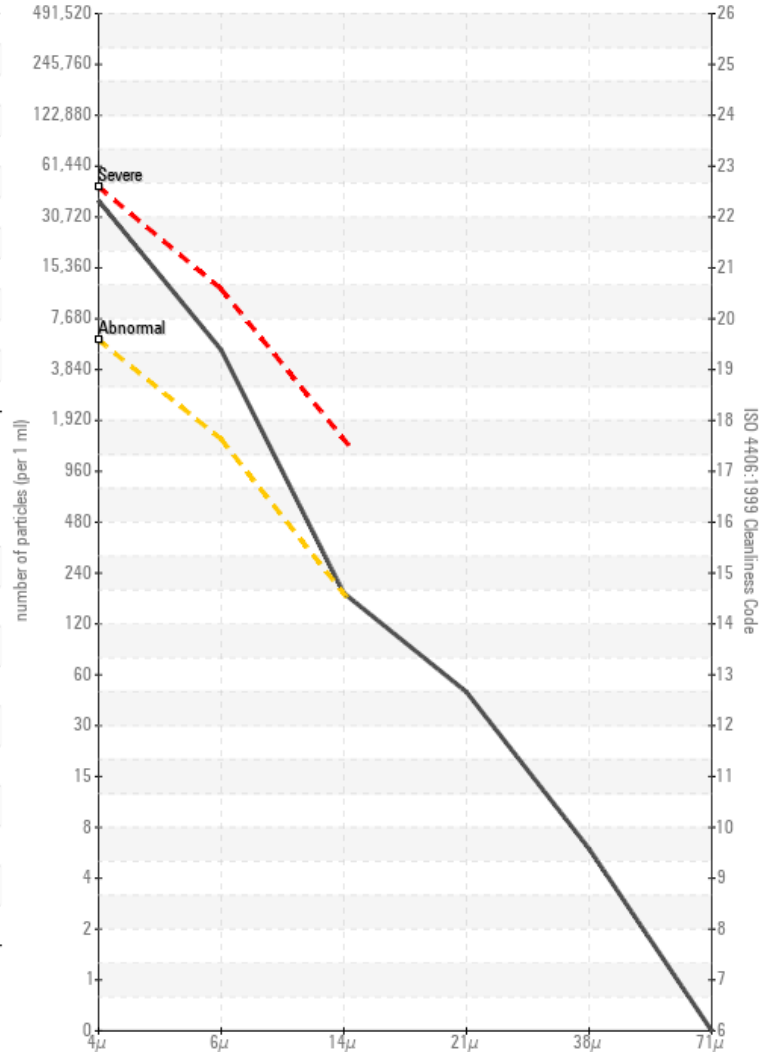
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

