



CONSTRUCTION EQUIPMENT

619724 STONE CO VOLVO EC350E 314091 - HYDRAULIC SYSTEM



Sample No: VCP431523
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 619724 STONE CO



SAMPLE INFORMATION

Sample Number	VCP431523	VCP412439	VCP399403	VCP347616
Sample Date	12 Oct 2023	27 Jul 2023	06 Mar 2023	06 Jan 2022
Machine Hours	5273	4844	3906	1963
Oil Hours	1173	1000	2000	1963
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	ATTENTION	ABNORMAL	NORMAL	NORMAL

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
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OIL CONDITION

Visc @ 40°C	cSt	44.3	44.3	44.0	46.8
Acid Number (AN)	mg KOH/g	0.48	0.52	0.52	0.709



CONTAMINATION

Particles >4µm		37141	47858	22441	14486
Particles >6µm		11481	21075	4978	897
Particles >14µm		1000	1030	408	54
ISO 4406:1999 (c)		22/21/17	23/22/17	22/19/16	21/17/13
Silicon	ppm	2	2	4	4
Sodium	ppm	0	2	0	0
Potassium	ppm	2	0	1	0

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	5	5	6	5
Copper	ppm	14	10	15	20
Lead	ppm	<1	0	<1	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	2	<1	2	1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	4	2	5	4
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	1137	945	1832	1929
Magnesium	ppm	19	15	26	22
Zinc	ppm	856	702	792	831
Phosphorus	ppm	624	556	624	666
Barium	ppm	10	0	0	0
Boron	ppm	8	5	16	11

Depot: VOLVO2990
Unique No: 10710703
Signed: Wes Davis
Report Date: 25 Oct 2023

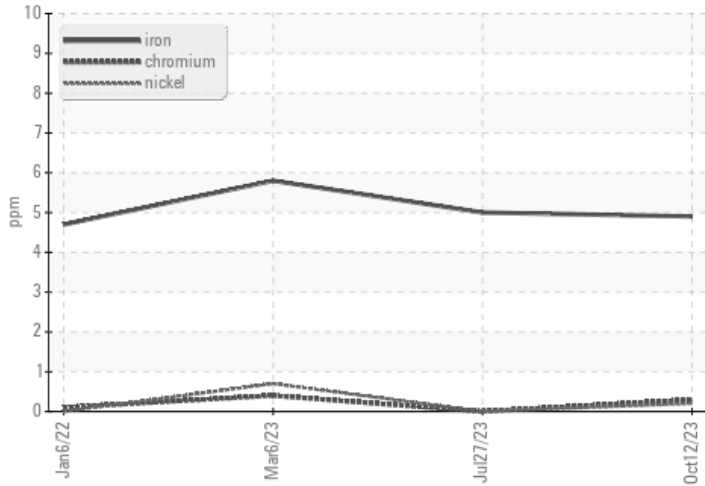


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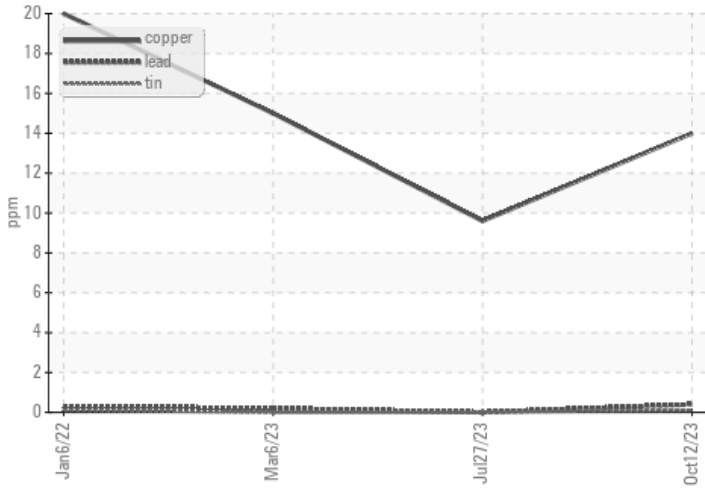


GRAPHS

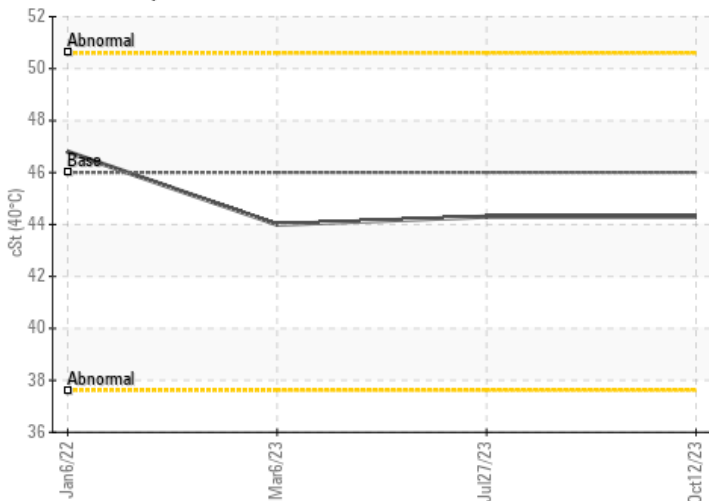
Ferrous Alloys



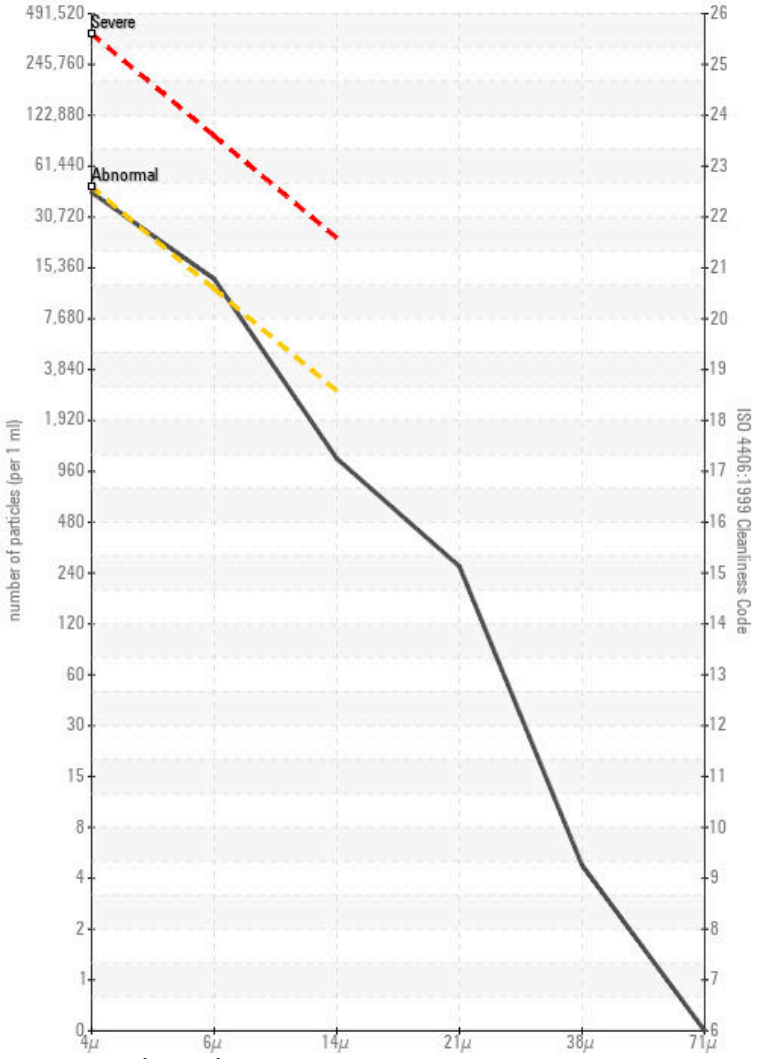
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

