



CONSTRUCTION EQUIPMENT

VOLVO A40G 352463 - HYDRAULIC SYSTEM



Sample No: VCP376394
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP376394	VCP425386	VCP382401	VCP386396
Sample Date	28 Aug 2023	28 Jun 2023	21 Mar 2023	29 Sep 2022
Machine Hours	6364	500	5136	4268
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	N/A
Sample Status	ATTENTION	NORMAL	NORMAL	ABNORMAL

SENECA MEADOWS
 1786 SALCMAN ROAD
 WATERLOO, NY
 US
 Contact: EDWARD BARTO
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OIL CONDITION

Visc @ 40°C	cSt	43.5	43.8	43.7	43.9
Acid Number (AN)	mg KOH/g	0.34	0.35	0.12	0.38

CONTAMINATION

Particles >4µm		22312	6989	11936	55711
Particles >6µm		5734	896	3898	15938
Particles >14µm		203	33	135	623
ISO 4406:1999 (c)		22/20/15	20/17/12	21/19/14	23/21/16
Silicon	ppm	7	7	6	5
Sodium	ppm	0	<1	0	1
Potassium	ppm	2	2	2	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	7	7	6	4
Copper	ppm	3	2	3	2
Lead	ppm	2	1	2	2
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	3	3	2	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	4	4	4	3
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	141	141	135	121
Magnesium	ppm	26	29	26	25
Zinc	ppm	424	458	417	391
Phosphorus	ppm	312	362	317	309
Barium	ppm	2	0	0	0
Boron	ppm	1	2	2	2

Depot: SENWAT
Unique No: 10628832
Signed: Wes Davis
Report Date: 31 Aug 2023

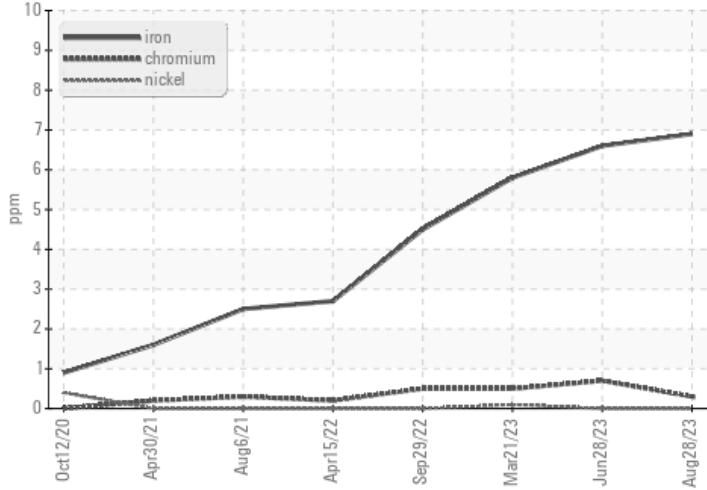


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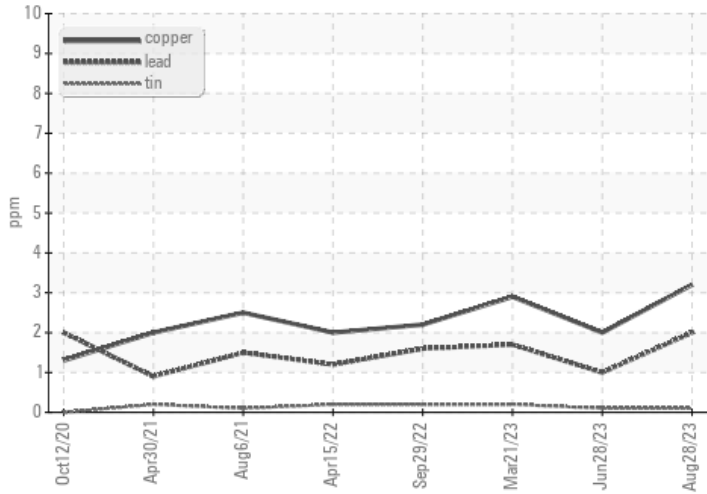


GRAPHS

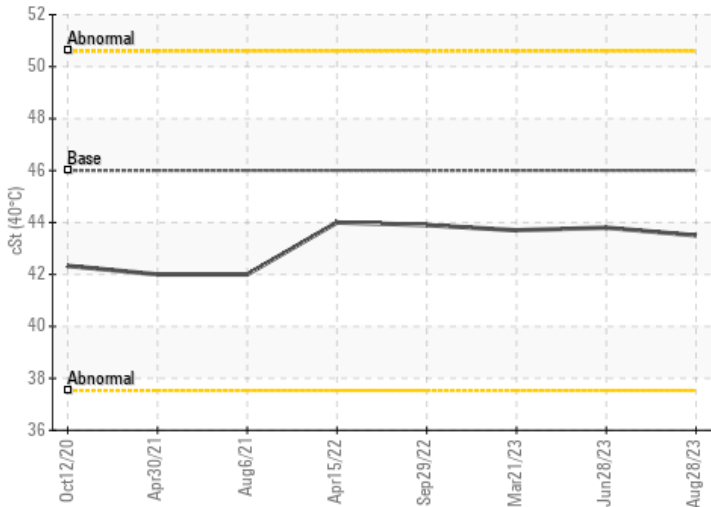
Ferrous Alloys



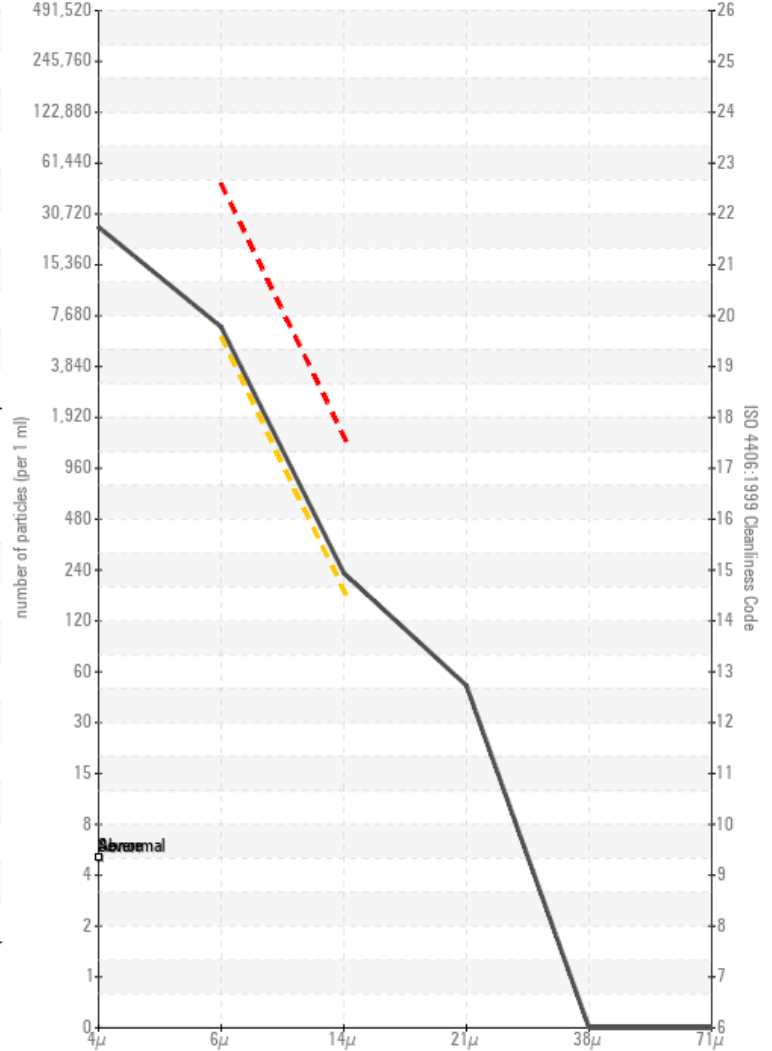
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

