



CONSTRUCTION EQUIPMENT

SWA310208 WOOD MEAD VOLVO A40G 341583 - HYDRAULIC SYSTEM



Sample No: VCP416246
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA310208 WOOD MEAD



SAMPLE INFORMATION

Sample Number	VCP416246	VCP394379	VCP299369	VCP243950
Sample Date	13 Jul 2023	31 Jan 2023	17 May 2021	31 Jul 2020
Machine Hours	8238	8449	7230	6059
Oil Hours	0	0	3000	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	ATTENTION	NORMAL	NORMAL

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 56195 PONTIAC TRAIL
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OIL CONDITION

Visc @ 40°C	cSt	43.5	41.8	42.1	41.3
Acid Number (AN)	mg KOH/g	0.42	0.41	0.430	0.404

CONTAMINATION

Particles >4µm		19477	17518	10026	10285
Particles >6µm		1599	4420	766	1727
Particles >14µm		40	▲ 190	30	127
ISO 4406:1999 (c)		21/18/12	21/19/15	21/17/12	21/18/14
Silicon	ppm	4	13	12	13
Sodium	ppm	2	<1	2	3
Potassium	ppm	<1	3	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	8	21	18	15
Copper	ppm	15	10	8	7
Lead	ppm	2	3	3	2
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	4	8	5	7
Chromium	ppm	0	<1	1	<1
Molybdenum	ppm	<1	2	2	<1
Nickel	ppm	0	0	<1	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	80	125	116	79
Magnesium	ppm	6	11	10	5
Zinc	ppm	451	451	417	400
Phosphorus	ppm	361	346	344	328
Barium	ppm	0	1	0	0
Boron	ppm	0	0	4	<1

Depot: VOLVO2990
Unique No: 10562566
Signed: Wes Davis
Report Date: 19 Jul 2023

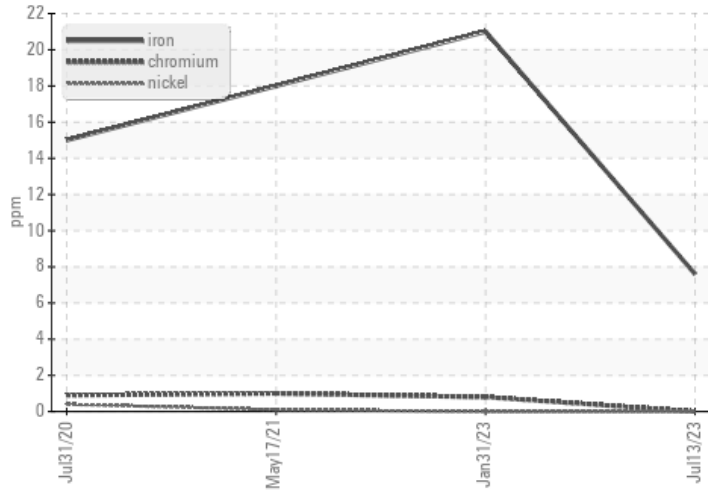


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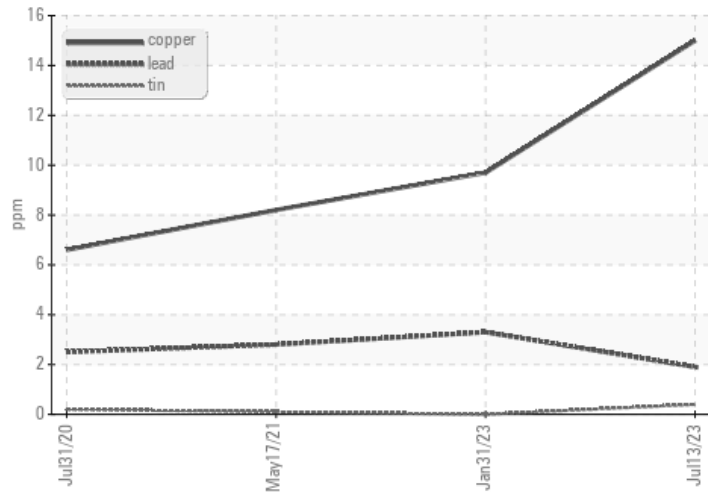


GRAPHS

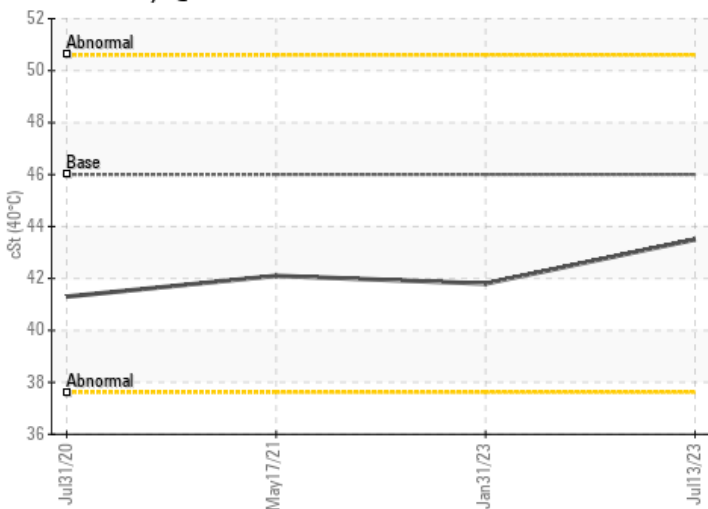
Ferrous Alloys



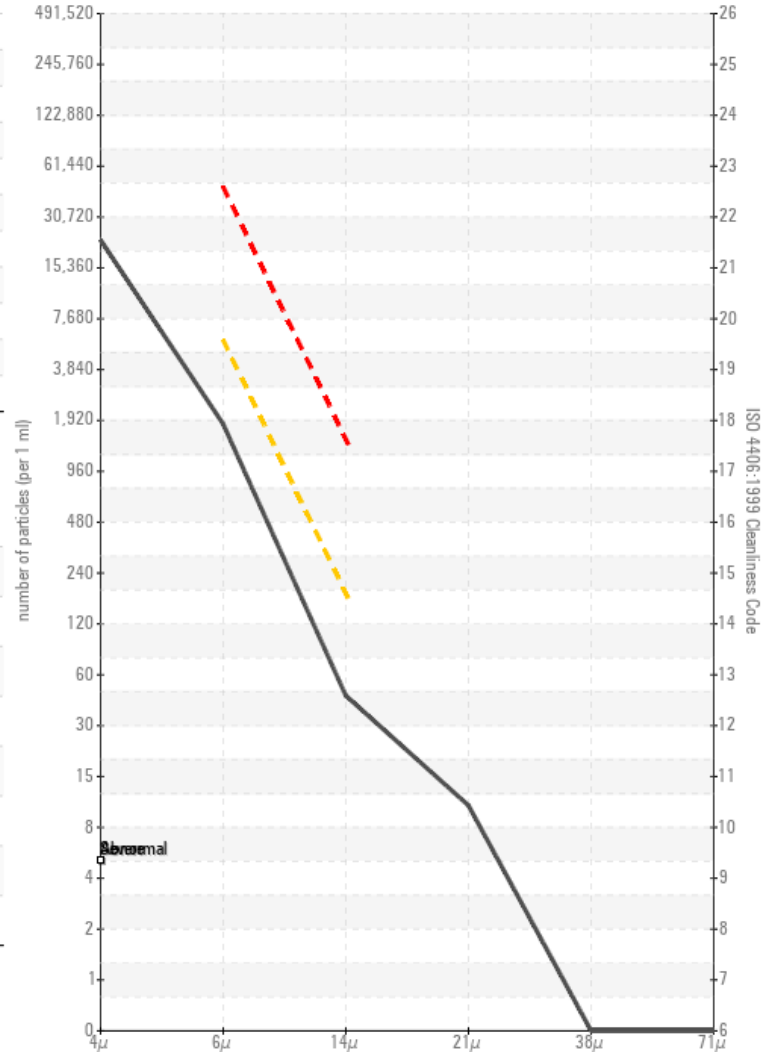
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

