



CONSTRUCTION EQUIPMENT

322240 VOLVO EC480 314368 - HYDRAULIC SYSTEM



Sample No: VCP412628
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 322240



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SAMPLE INFORMATION

Sample Number	VCP412628	VCP412208	VCP425100	VCP405192
Sample Date	31 Aug 2023	15 Aug 2023	06 Jun 2023	03 Apr 2023
Machine Hours	6799	6709	6362	586
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Not Chngd
Sample Status	ATTENTION	ATTENTION	NORMAL	NORMAL

OIL CONDITION

Visc @ 40°C	cSt	42.4	42.3	41.0	40.7
Acid Number (AN)	mg KOH/g	0.39	0.42	0.42	0.40

CONTAMINATION

Particles >4µm		▲ 54951	▲ 58113	615	12228
Particles >6µm		5366	▲ 11333	137	2587
Particles >14µm		41	475	20	120
ISO 4406:1999 (c)		23/20/13	23/21/16	16/14/11	21/19/14
Silicon	ppm	4	2	5	5
Sodium	ppm	0	0	0	<1
Potassium	ppm	1	<1	1	1

WEAR METALS

Iron	ppm	11	5	5	5
Copper	ppm	19	12	20	20
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	0	<1	0	0
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	<1	0	0	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	<1	0	0

ADDITIVES

Calcium	ppm	62	37	65	53
Magnesium	ppm	5	0	2	2
Zinc	ppm	447	338	410	397
Phosphorus	ppm	447	340	357	348
Barium	ppm	2	0	0	0
Boron	ppm	0	0	0	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.

Depot: VOLVO0096
Unique No: 10632716
Signed: Wes Davis
Report Date: 06 Sep 2023

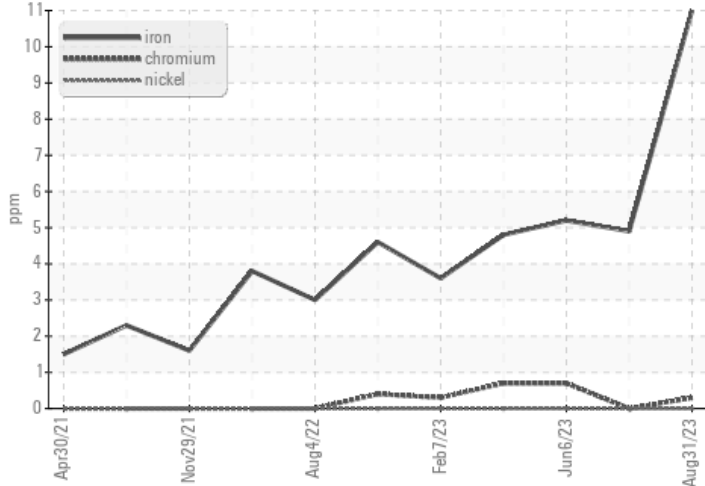


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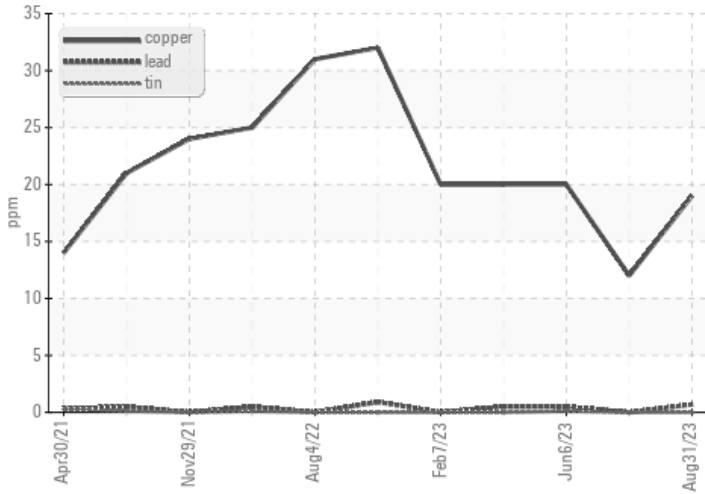


VOLVO GRAPHS

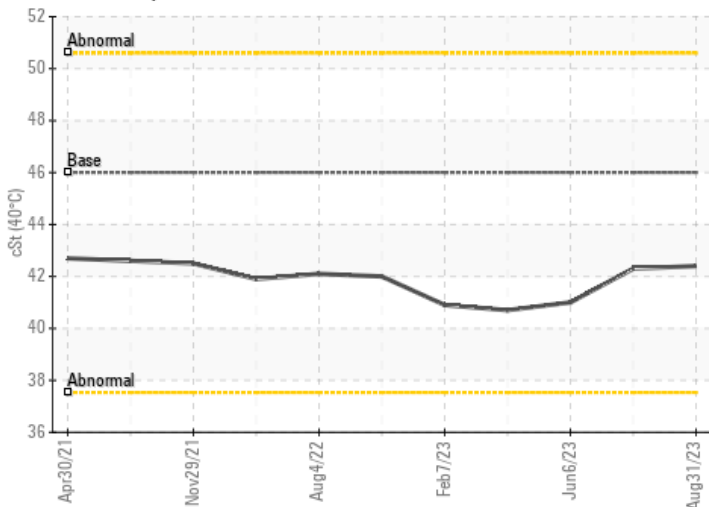
Ferrous Alloys



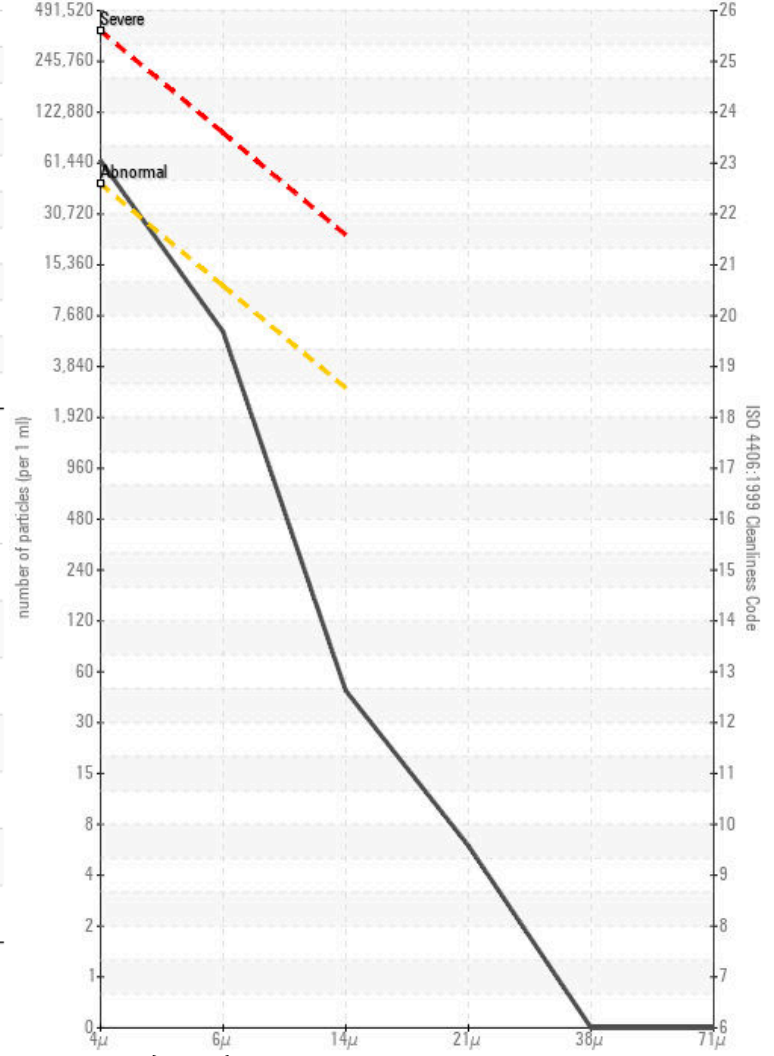
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

