



CONSTRUCTION EQUIPMENT

742439 VOLVO A30G 742439 - HYDRAULIC SYSTEM



Sample No: VCP423046
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 742439



SAMPLE INFORMATION

Sample Number	VCP423046	VCP402033	VCP376896	VCP348438
Sample Date	03 Aug 2023	14 May 2023	30 Aug 2022	04 Feb 2022
Machine Hours	0	0	5058	4895
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ATTENTION	ATTENTION

VCES- VOLVO CONSTRUCTION EQUIPMENT
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OIL CONDITION

Visc @ 40°C	cSt	45.8	45.2	41.5	44.5
Acid Number (AN)	mg KOH/g	0.46	0.46	0.49	0.34



CONTAMINATION

Particles >4µm		3519	11384	34261	7916
Particles >6µm		1286	1894	4718	1990
Particles >14µm		144	54	▲ 187	▲ 172
ISO 4406:1999 (c)		19/17/14	21/18/13	22/19/15	20/18/15
Silicon	ppm	<1	5	6	3
Sodium	ppm	0	1	0	<1
Potassium	ppm	0	2	3	0

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	0	4	7	5
Copper	ppm	0	1	3	3
Lead	ppm	0	1	2	2
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	2	1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	<1	9	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	0	<1	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	54	65	191	78
Magnesium	ppm	0	3	31	8
Zinc	ppm	455	468	416	444
Phosphorus	ppm	338	353	331	365
Barium	ppm	0	0	0	0
Boron	ppm	0	0	11	0

Depot: VOLVO4486
Unique No: 10588632
Signed: Wes Davis
Report Date: 07 Aug 2023

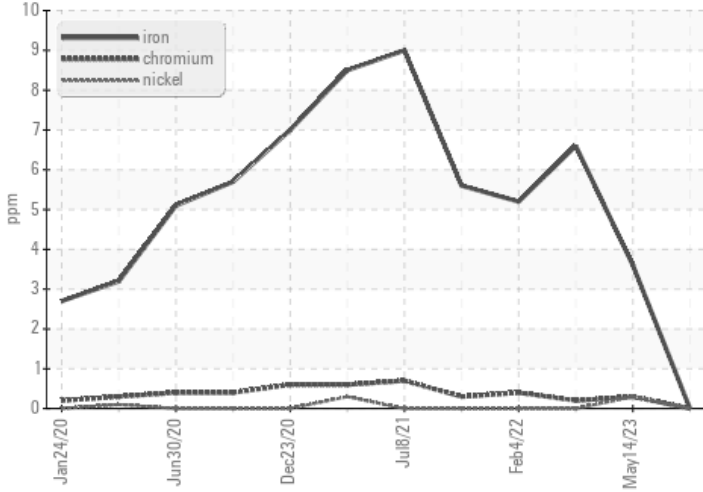


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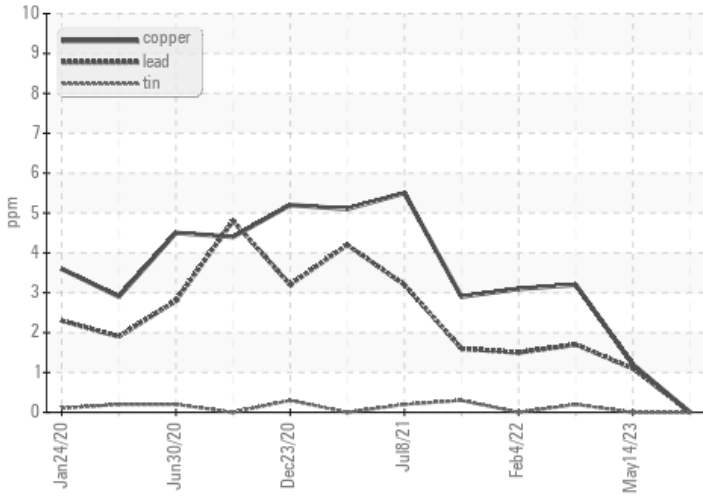


VOLVO GRAPHS

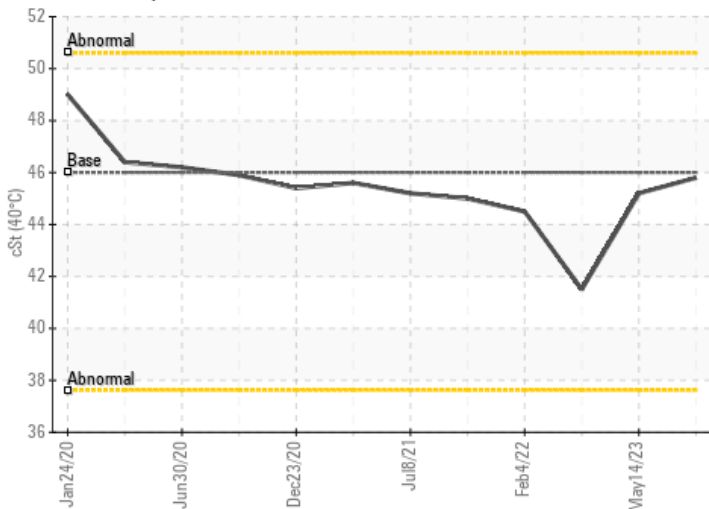
Ferrous Alloys



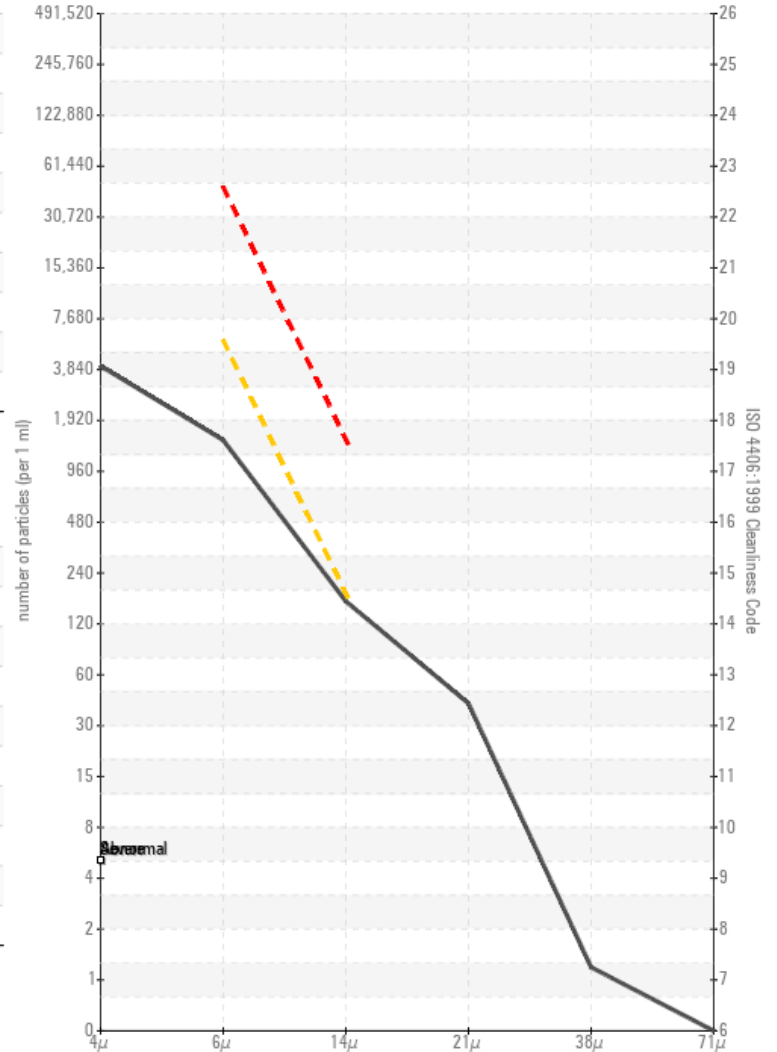
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

