



CONSTRUCTION EQUIPMENT

SPM579126 VOLVO A30G 740113 - HYDRAULIC SYSTEM



Sample No: VCP409225
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM579126



SAMPLE INFORMATION

Sample Number	VCP409225	VCP387493	VCP334848	VCP322345
Sample Date	06 Jul 2023	28 Nov 2022	08 Sep 2021	02 Jul 2021
Machine Hours	9329	8980	4852	4067
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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 5000 INDUSTRIAL HWY
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 F:



OIL CONDITION

Visc @ 40°C	cSt	42.5	43.6	45.5	43.8
Acid Number (AN)	mg KOH/g	0.34	0.36	0.542	0.394



CONTAMINATION

Particles >4µm		4318	17938	2402	5795
Particles >6µm		723	3788	475	845
Particles >14µm		45	148	27	36
ISO 4406:1999 (c)		19/17/13	21/19/14	18/16/12	20/17/12
Silicon	ppm	1	2	3	5
Sodium	ppm	2	3	2	2
Potassium	ppm	0	0	0	<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	11	16	7	11
Copper	ppm	3	5	5	7
Lead	ppm	0	<1	1	2
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	1	2	<1	1
Molybdenum	ppm	<1	<1	1	2
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	107	130	213	204
Magnesium	ppm	6	10	36	20
Zinc	ppm	476	517	740	466
Phosphorus	ppm	386	410	554	360
Barium	ppm	0	0	0	0
Boron	ppm	0	<1	0	9

Depot: VOLVO8885
Unique No: 10560646
Signed: Wes Davis
Report Date: 17 Jul 2023

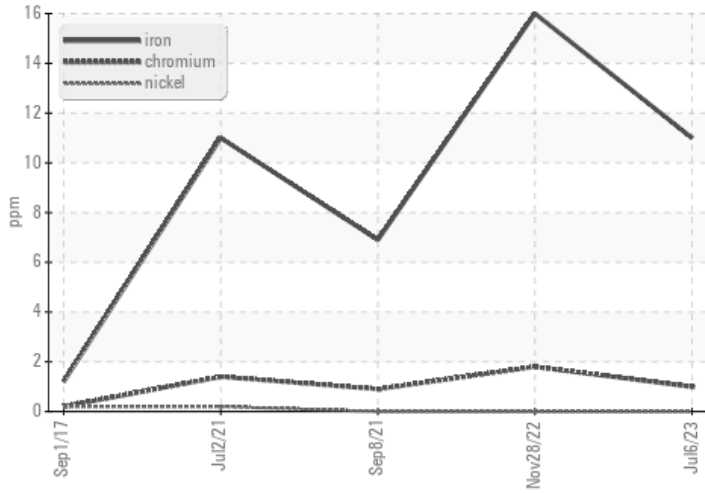


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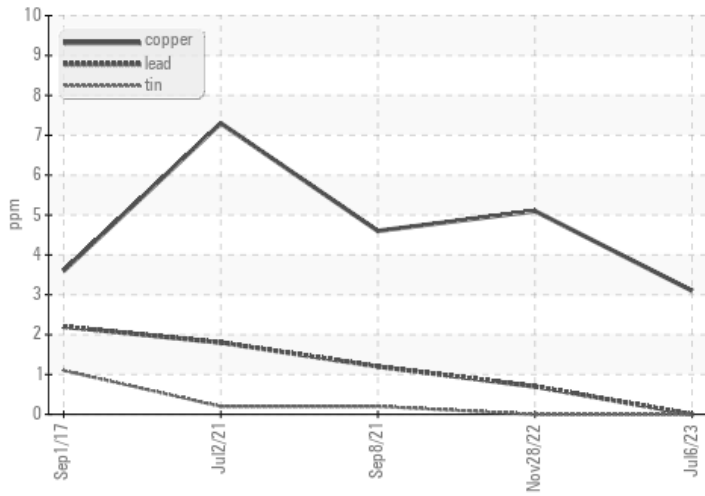


GRAPHS

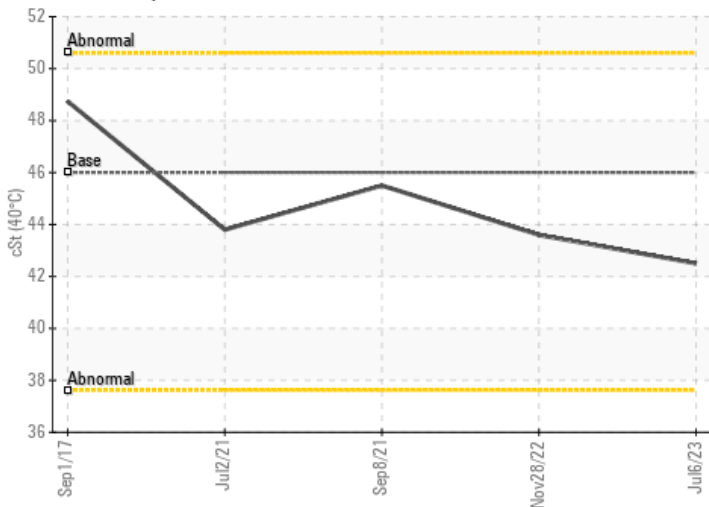
Ferrous Alloys



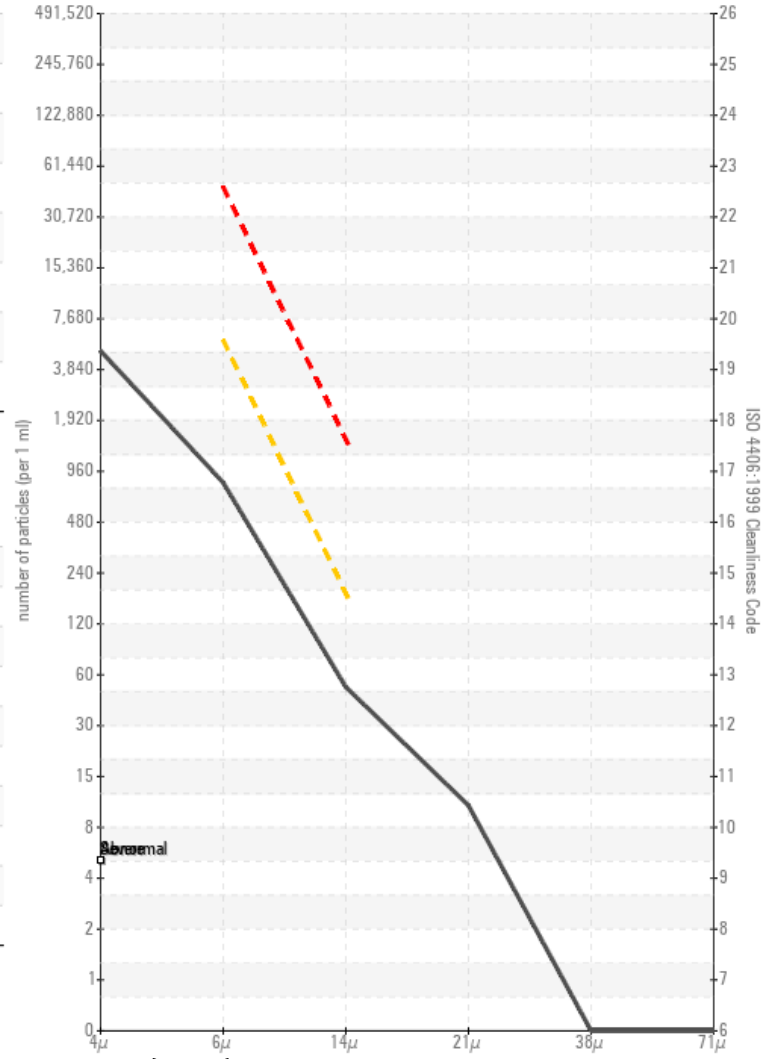
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

