



CONSTRUCTION EQUIPMENT

19122 KOPPERS VOLVO L150H 6893 - HYDRAULIC SYSTEM



Sample No: VCP427004
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 19122 KOPPERS



SAMPLE INFORMATION

Sample Number	VCP427004	VCP424313	VCP328514	VCP291537
Sample Date	13 Jul 2023	27 Apr 2023	07 Oct 2021	11 Aug 2021
Machine Hours	6060	5650	0	2160
Oil Hours	0	1500	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	43.0	43.0	41.1	41.9
Acid Number (AN)	mg KOH/g	0.36	0.35	0.345	0.370



CONTAMINATION

Particles >4µm	932	3727	916	1872	
Particles >6µm	200	776	218	175	
Particles >14µm	16	53	31	8	
ISO 4406:1999 (c)	17/15/11	19/17/13	17/15/12	18/15/10	
Silicon	ppm	2	2	<1	3
Sodium	ppm	<1	3	2	2
Potassium	ppm	2	3	<1	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	8	8	2	5
Copper	ppm	4	4	3	3
Lead	ppm	1	3	3	2
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	0	<1	0	1
Chromium	ppm	2	3	<1	<1
Molybdenum	ppm	<1	0	0	0
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	0	<1	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	50	44	47	51
Magnesium	ppm	3	0	0	0
Zinc	ppm	408	422	403	396
Phosphorus	ppm	320	340	312	310
Barium	ppm	0	0	0	0
Boron	ppm	0	0	2	0

Depot: VOLVO8769
Unique No: 10587174
Signed: Wes Davis
Report Date: 04 Aug 2023

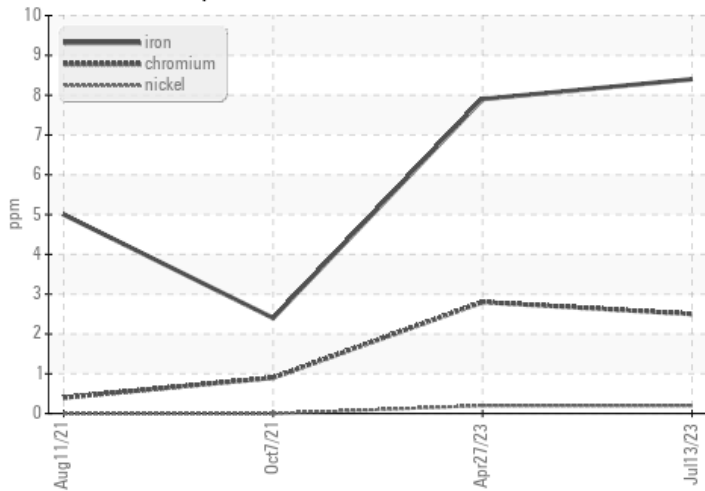


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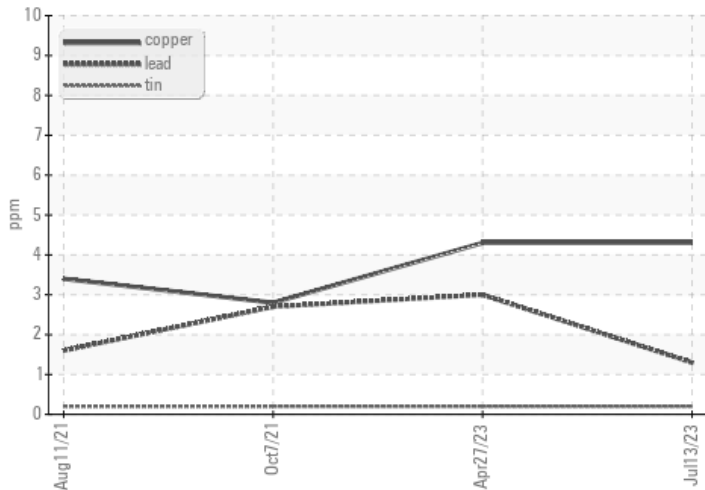


GRAPHS

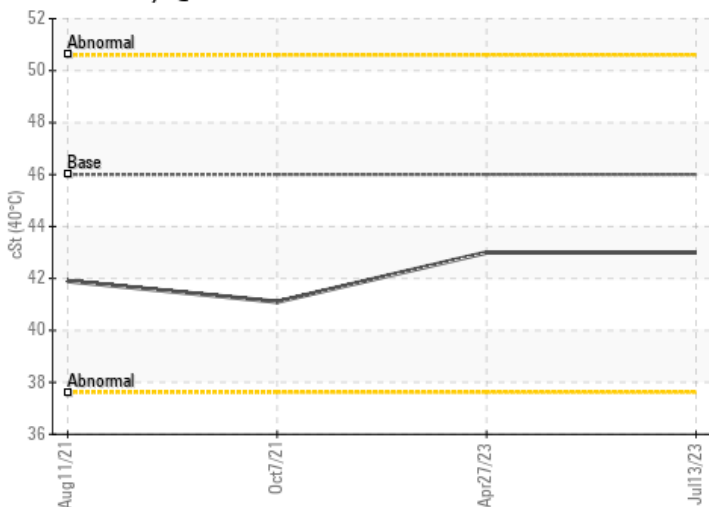
Ferrous Alloys



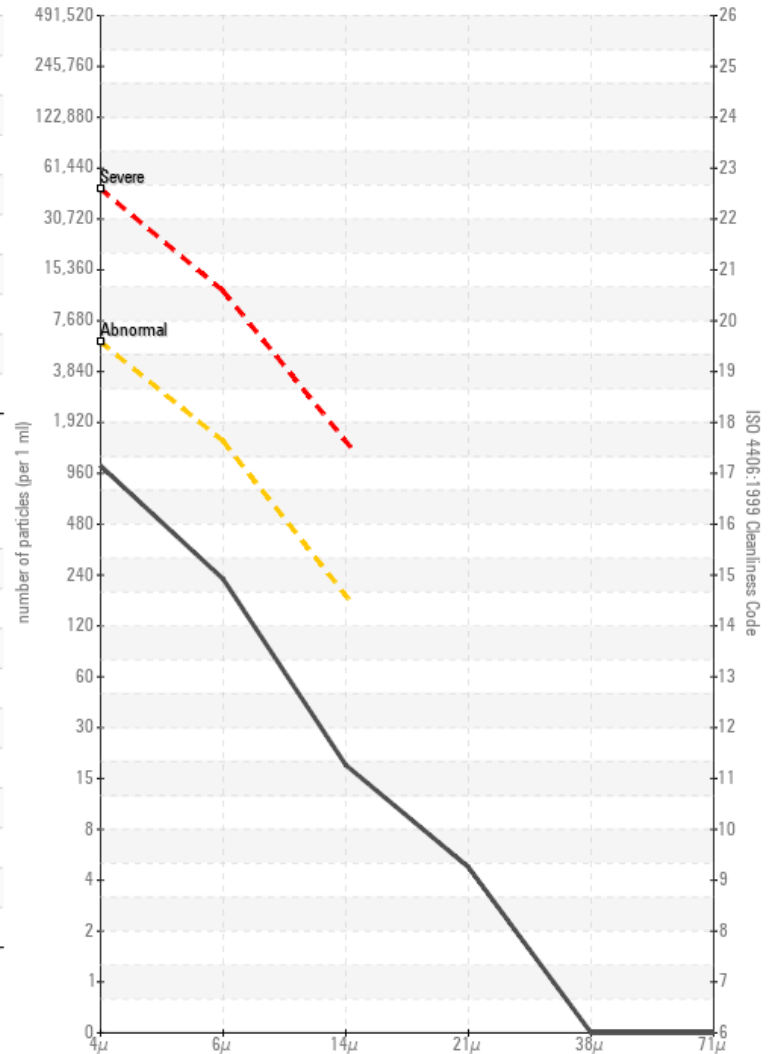
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

