



CONSTRUCTION EQUIPMENT

19123 KOPPERS VOLVO L150H 6956 - HYDRAULIC SYSTEM



Sample No: VCP414187
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 19123 KOPPERS



SAMPLE INFORMATION

Sample Number	VCP414187	VCP424391	VCP331432	VCP328536
Sample Date	13 Jul 2023	27 Apr 2023	01 Dec 2021	07 Oct 2021
Machine Hours	5558	5052	2031	1681
Oil Hours	0	800	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ATTENTION	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.9	43.1	41.1	41.1
Acid Number (AN)	mg KOH/g	0.32	0.26	0.392	0.341

CONTAMINATION

Particles >4µm	2139	3350	7231	19793	
Particles >6µm	538	725	217	5900	
Particles >14µm	45	51	25	343	
ISO 4406:1999 (c)	18/16/13	19/17/13	20/15/12	21/20/16	
Silicon	ppm	2	2	1	<1
Sodium	ppm	<1	2	2	2
Potassium	ppm	1	3	0	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	4	4	2	2
Copper	ppm	2	2	3	3
Lead	ppm	1	2	<1	3
Tin	ppm	<1	0	0	<1
Aluminum	ppm	0	<1	0	0
Chromium	ppm	1	2	<1	1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	53	48	50	57
Magnesium	ppm	<1	<1	0	0
Zinc	ppm	426	443	397	423
Phosphorus	ppm	324	348	329	329
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	3

Depot: VOLVO8769
Unique No: 10587189
Signed: Wes Davis
Report Date: 04 Aug 2023

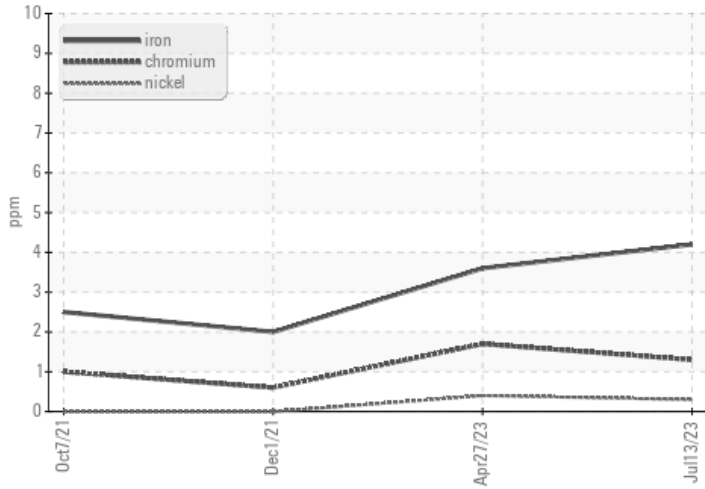


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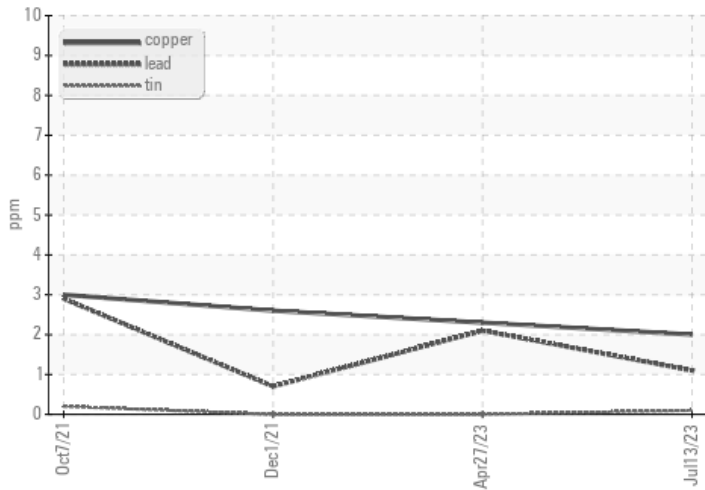


GRAPHS

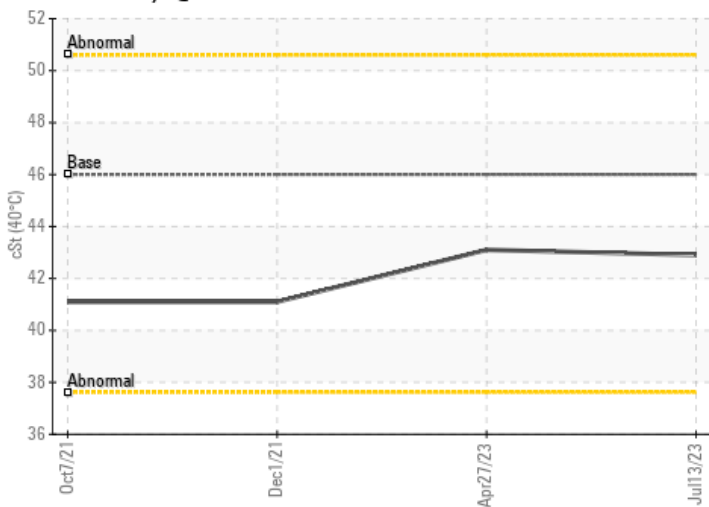
Ferrous Alloys



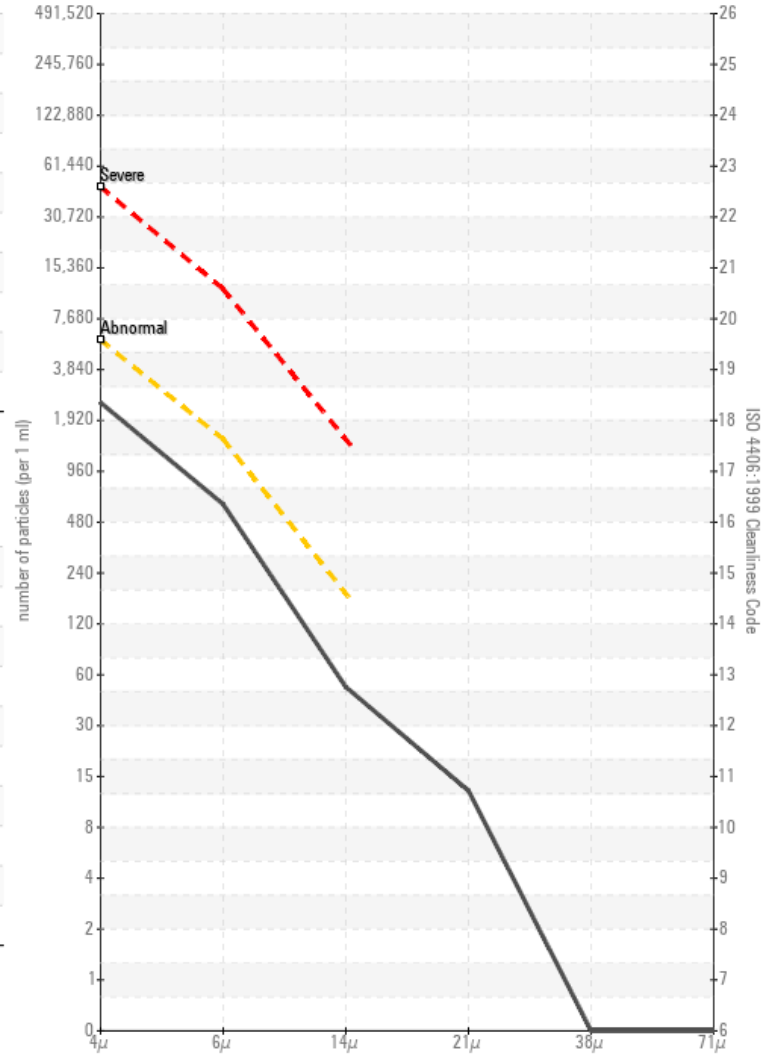
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

