



CONSTRUCTION EQUIPMENT

SPM568158 WM CR LAKE VOLVO L150H 7152 - HYDRAULIC SYSTEM



Sample No: VCP409356
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM568158 WM CR LAKE



SAMPLE INFORMATION

Sample Number	VCP409356	VCP419994	VCP404602	VCP410943
Sample Date	05 Jul 2023	25 May 2023	24 Apr 2023	06 Mar 2023
Machine Hours	1396	1087	867	487
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.0	42.1	42.4	42.4
Acid Number (AN)	mg KOH/g	0.36	0.32	0.26	0.30



CONTAMINATION

Particles >4µm	1892	11652	10356	4261
Particles >6µm	215	1600	1941	795
Particles >14µm	12	79	80	61
ISO 4406:1999 (c)	18/15/11	21/18/13	21/18/13	19/17/13
Silicon	ppm	<1	0	1
Sodium	ppm	<1	0	0
Potassium	ppm	0	2	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	1	1	0	2
Copper	ppm	2	2	<1	2
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	1	1	<1	<1
Molybdenum	ppm	<1	0	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	0
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	68	53	48	60
Magnesium	ppm	6	<1	0	0
Zinc	ppm	445	427	428	489
Phosphorus	ppm	354	310	340	378
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: VOLVO8885
Unique No: 10560645
Signed: Wes Davis
Report Date: 17 Jul 2023

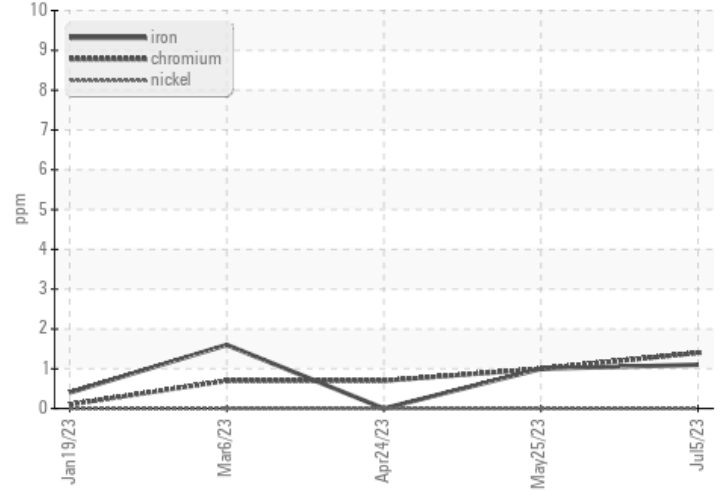


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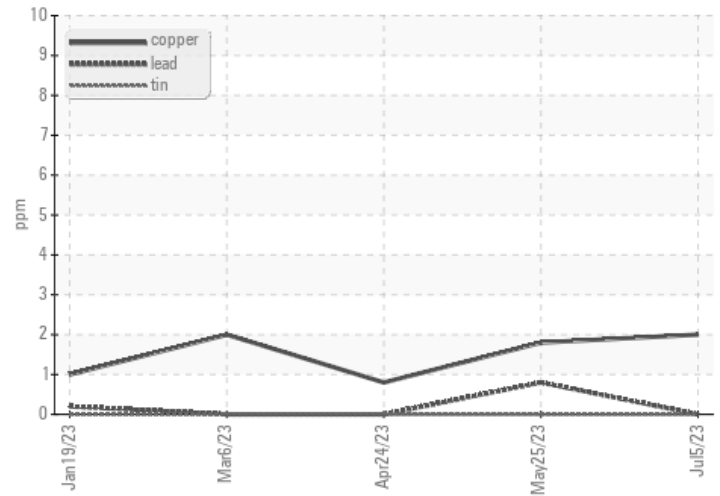


GRAPHS

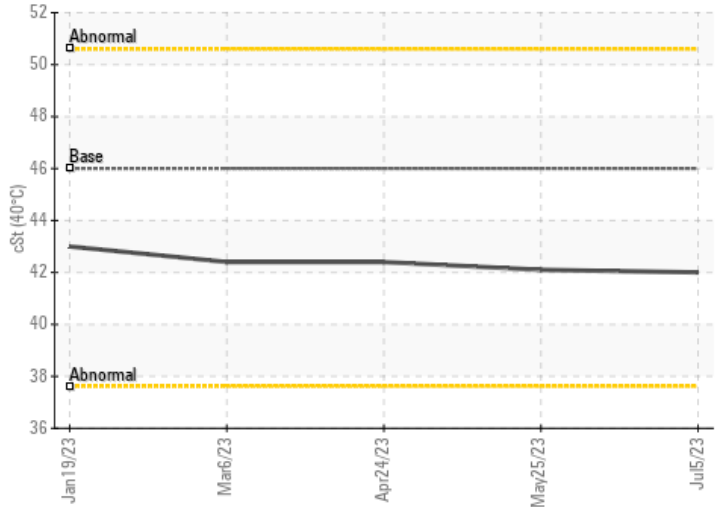
Ferrous Alloys



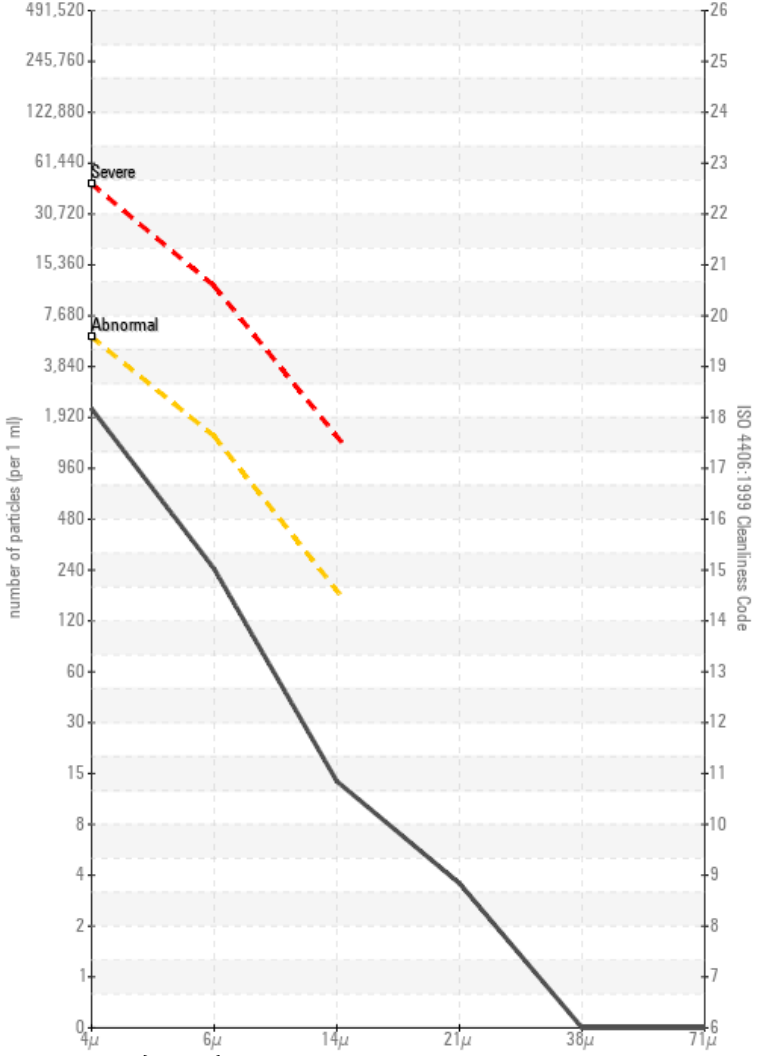
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

