



CONSTRUCTION EQUIPMENT

SPM581084 WM ROCKDAL VOLVO L150H 7152 - HYDRAULIC SYSTEM



Sample No: VCP420655
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM581084 WM ROCKDAL



SAMPLE INFORMATION

Sample Number	VCP420655	VCP409356	VCP419994	VCP404602
Sample Date	26 Jul 2023	05 Jul 2023	25 May 2023	24 Apr 2023
Machine Hours	1575	1396	1087	867
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

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5000 INDUSTRIAL HWY
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OIL CONDITION

Visc @ 40°C	cSt	41.8	42.0	42.1	42.4
Acid Number (AN)	mg KOH/g	0.31	0.36	0.32	0.26



CONTAMINATION

Particles >4µm	1481	1892	11652	10356	
Particles >6µm	290	215	1600	1941	
Particles >14µm	34	12	79	80	
ISO 4406:1999 (c)	18/15/12	18/15/11	21/18/13	21/18/13	
Silicon	ppm	1	<1	<1	0
Sodium	ppm	2	<1	0	0
Potassium	ppm	0	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	1	0
Copper	ppm	2	2	2	<1
Lead	ppm	<1	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	<1	0	<1
Chromium	ppm	2	1	1	<1
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	50	68	53	48
Magnesium	ppm	0	6	<1	0
Zinc	ppm	419	445	427	428
Phosphorus	ppm	336	354	310	340
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: VOLVO8885
Unique No: 10602079
Signed: Wes Davis
Report Date: 14 Aug 2023

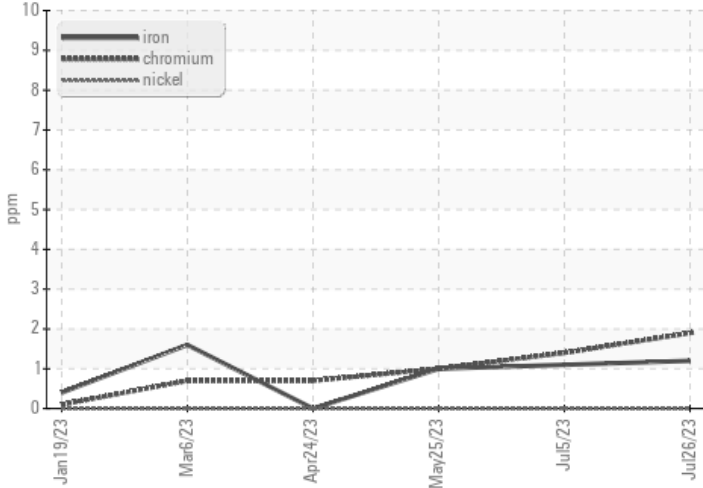


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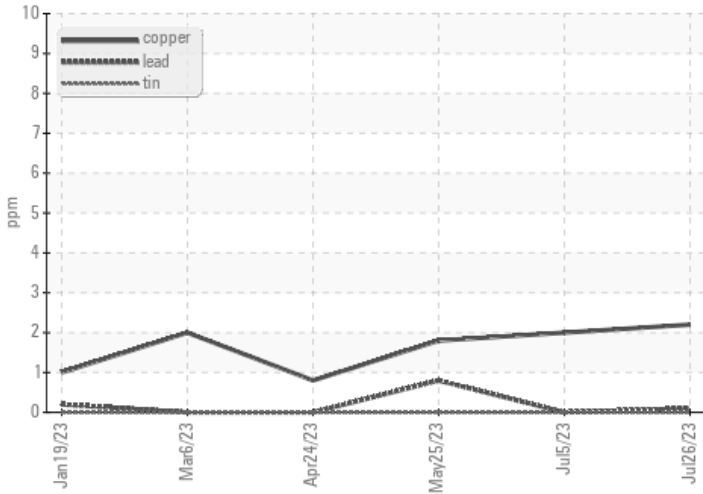


GRAPHS

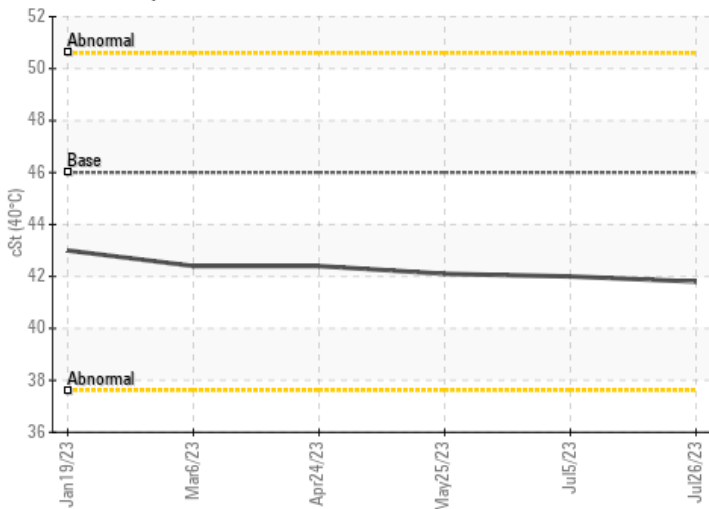
Ferrous Alloys



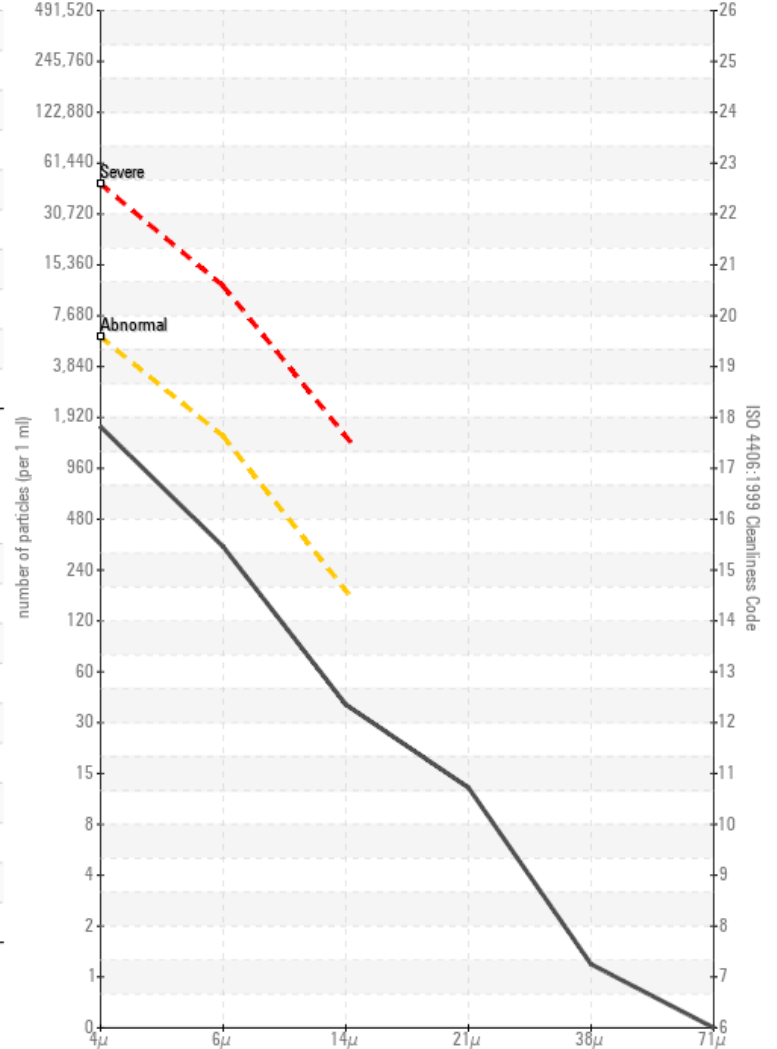
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

