



CONSTRUCTION EQUIPMENT

SPM579631 VOLVO L350 1138 - HYDRAULIC SYSTEM



Sample No: VCP351479
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM579631



SAMPLE INFORMATION

Sample Number	VCP351479	VCP404857	VCP376842	VCP328316
Sample Date	11 Aug 2023	25 Apr 2023	23 Jul 2022	25 Sep 2021
Machine Hours	4582	3754	2667	1287
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	N/A	Not Chngd
Sample Status	ATTENTION	NORMAL	ABNORMAL	ATTENTION

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JIM STRIGLE
 JIM.STRIGLE@ALTG.COM
 T: (315)437-2611
 F: (315)434-9471



OIL CONDITION

Visc @ 40°C	cSt	40.9	42.6	51.5	42.5
Acid Number (AN)	mg KOH/g	1.09	1.64	0.58	0.493



CONTAMINATION

Particles >4µm		20437	31209	145769	40718
Particles >6µm		3836	1381	12364	3925
Particles >14µm		119	36	203	157
ISO 4406:1999 (c)		22/19/14	22/18/12	24/21/15	23/19/14
Silicon	ppm	5	7	6	3
Sodium	ppm	0	<1	1	2
Potassium	ppm	2	0	0	0

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	3	4	6	2
Copper	ppm	<1	0	<1	<1
Lead	ppm	1	0	1	1
Tin	ppm	<1	0	<1	0
Aluminum	ppm	<1	1	2	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	<1	1	<1	<1
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	0	<1	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1847	2778	1694	1165
Magnesium	ppm	13	24	14	12
Zinc	ppm	897	1270	889	738
Phosphorus	ppm	765	1040	699	579
Barium	ppm	<1	0	0	0
Boron	ppm	16	22	43	17

Depot: VOLV00142
Unique No: 10606003
Signed: Wes Davis
Report Date: 17 Aug 2023

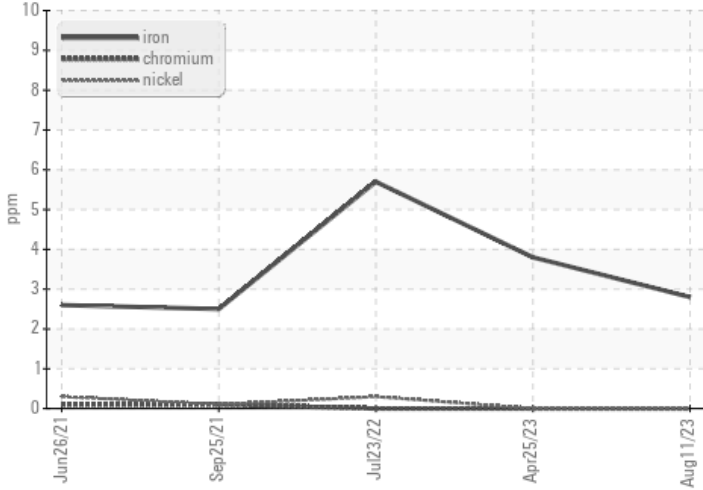


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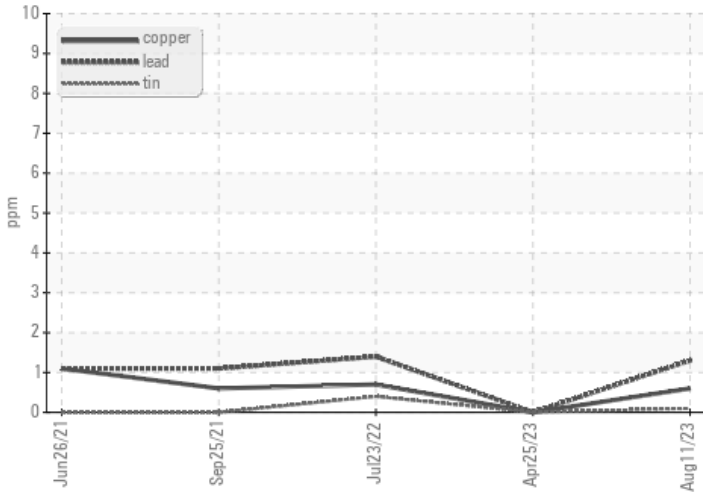


GRAPHS

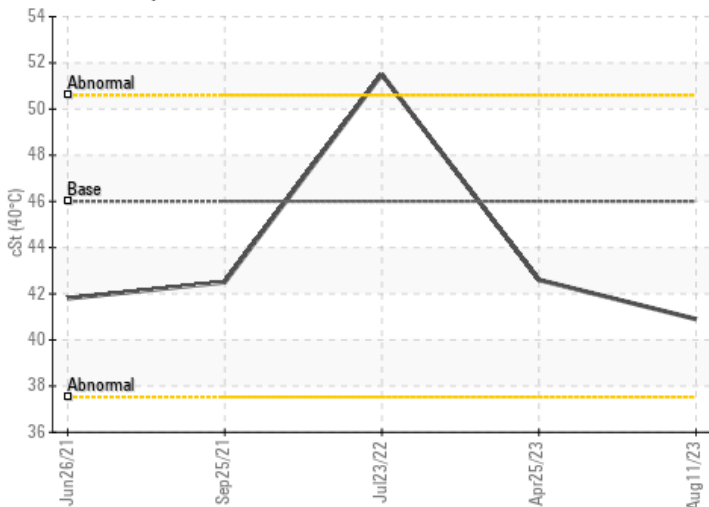
Ferrous Alloys



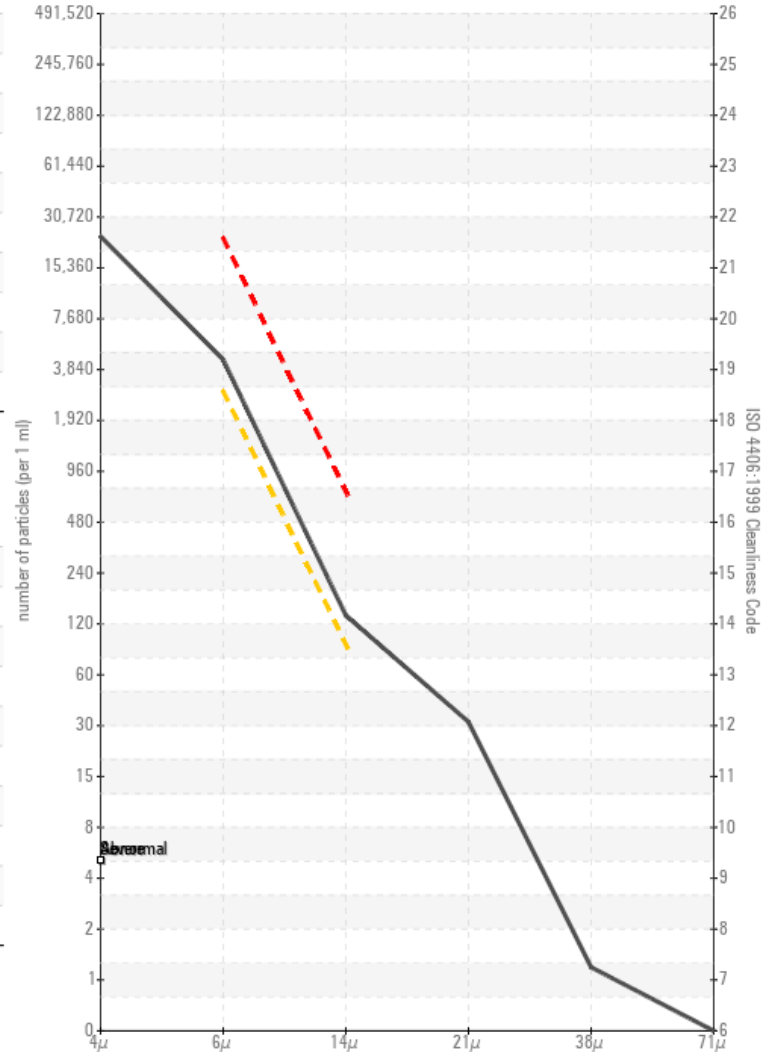
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

