



CONSTRUCTION EQUIPMENT

SPM565364 WM ELGIN VOLVO L150H 7136 - HYDRAULIC SYSTEM



Sample No: VCP382901
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM565364 WM ELGIN



SAMPLE INFORMATION

Sample Number	VCP382901	VCP419565	VCP396488	VCP400460
Sample Date	10 Jul 2023	25 Apr 2023	16 Feb 2023	09 Jan 2023
Machine Hours	980	750	462	227
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	ATTENTION	NORMAL	NORMAL

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 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: DAVE ENG
 DAVE.ENG@ALTG.COM
 T: (312)350-2560
 F:



OIL CONDITION

Visc @ 40°C	cSt	42.2	42.4	42.6	43.0
Acid Number (AN)	mg KOH/g	0.28	0.21	0.38	0.40



CONTAMINATION

Particles >4µm		5658	6312	4027	4598
Particles >6µm		1016	1014	673	1019
Particles >14µm		86	77	53	51
ISO 4406:1999 (c)		20/17/14	20/17/13	19/17/13	19/17/13
Silicon	ppm	<1	<1	<1	<1
Sodium	ppm	0	0	0	0
Potassium	ppm	1	0	0	1

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



ADDITIVES

Calcium	ppm	55	48	51	54
Magnesium	ppm	1	0	0	<1
Zinc	ppm	446	433	364	437
Phosphorus	ppm	334	340	303	321
Barium	ppm	1	0	0	0
Boron	ppm	0	0	0	0

Depot: VOLVO8885
Unique No: 10574241
Signed: Wes Davis
Report Date: 27 Jul 2023

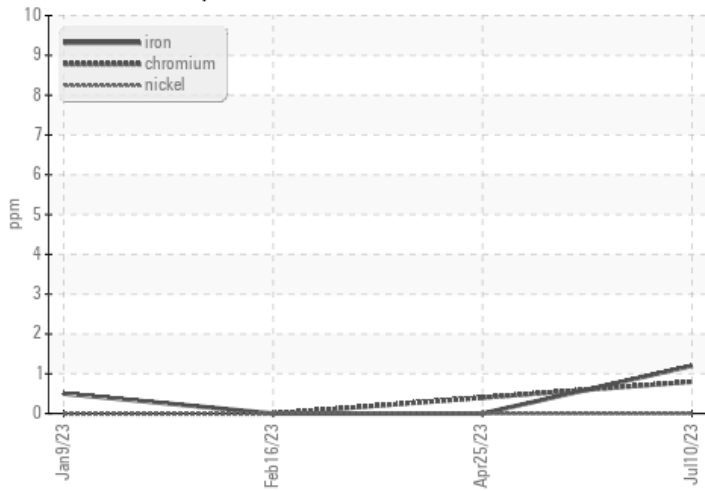


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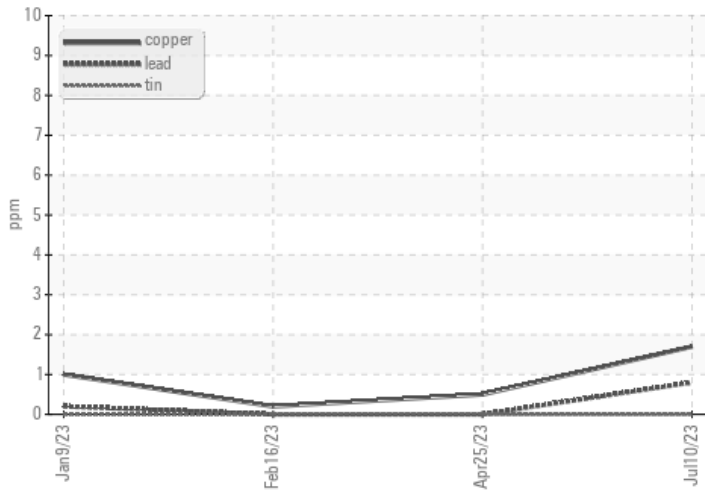


GRAPHS

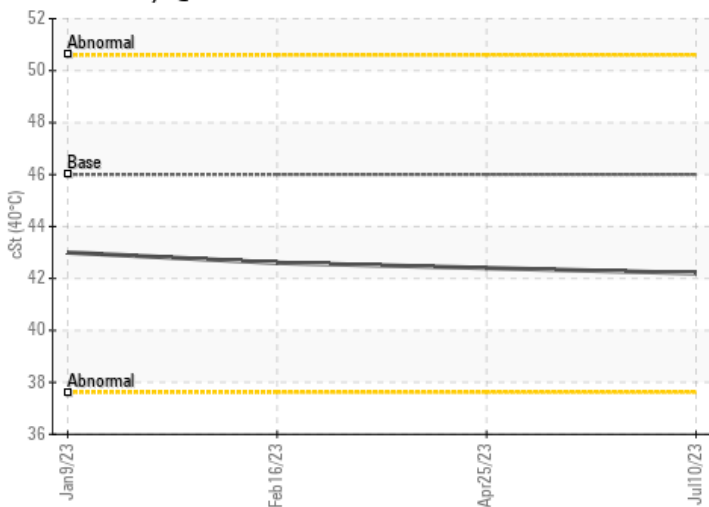
Ferrous Alloys



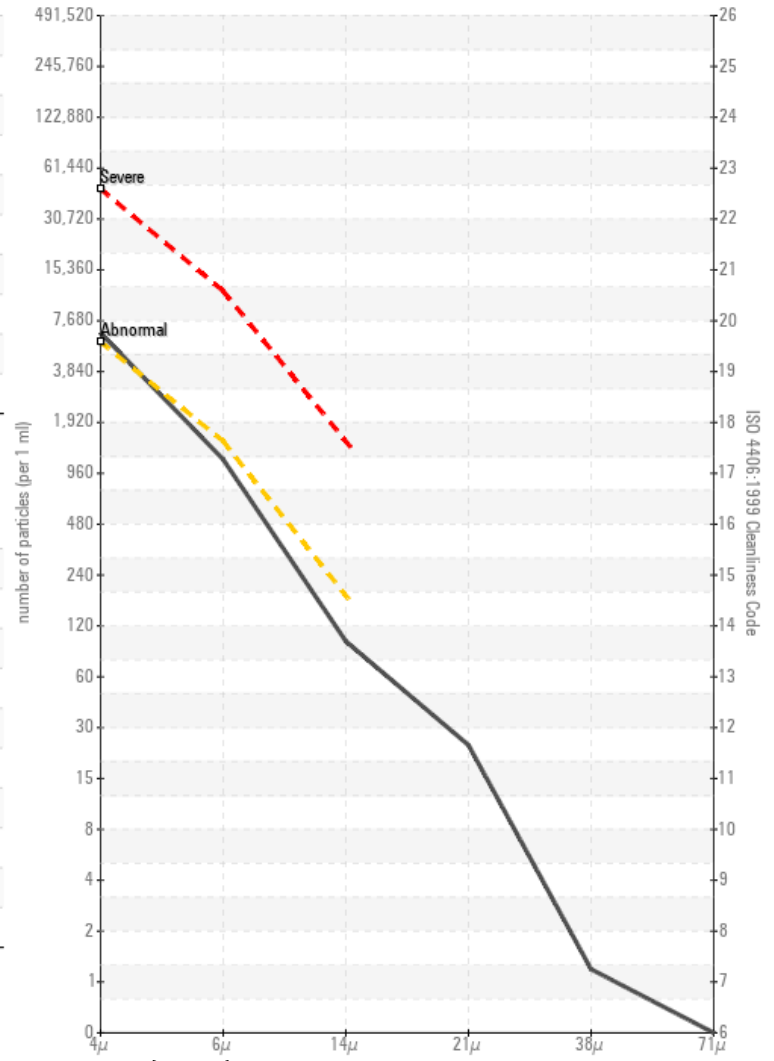
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

