



CONSTRUCTION EQUIPMENT

SPM595740 WM ELGIN VOLVO L150E 10242 - HYDRAULIC SYSTEM



Sample No: VCP413975
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM595740 WM ELGIN



SAMPLE INFORMATION

Sample Number	VCP413975	VCP372555	VCP361037	VCP309983
Sample Date	12 Sep 2023	22 Aug 2022	26 Apr 2022	17 Jan 2022
Machine Hours	21613	21479	21307	21101
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

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 5000 INDUSTRIAL HWY
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 US 46406
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 F:



OIL CONDITION

Visc @ 40°C	cSt	43.3	43.6	40.4	45.8
Acid Number (AN)	mg KOH/g	0.36	0.37	0.41	0.50



CONTAMINATION

Particles >4µm		11399	12545	16000	6908
Particles >6µm		1394	987	699	352
Particles >14µm		98	42	22	11
ISO 4406:1999 (c)		21/18/14	21/17/13	21/17/12	20/16/11
Silicon	ppm	<1	<1	3	<1
Sodium	ppm	0	1	0	<1
Potassium	ppm	<1	0	<1	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	0	2	<1	<1
Copper	ppm	<1	1	<1	<1
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	<1	0	0
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	2	0	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	60	49	63	70
Magnesium	ppm	2	0	4	4
Zinc	ppm	452	423	420	467
Phosphorus	ppm	357	334	310	369
Barium	ppm	0	<1	0	0
Boron	ppm	0	0	2	6

Depot: VOLVO8885
Unique No: 10658224
Signed: Wes Davis
Report Date: 22 Sep 2023

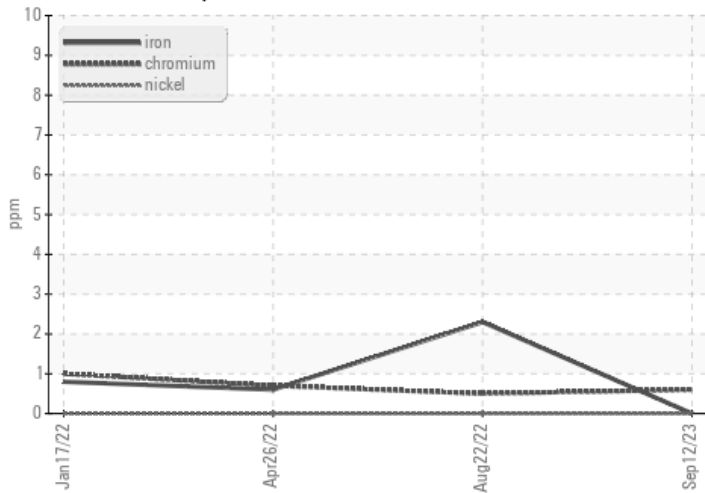


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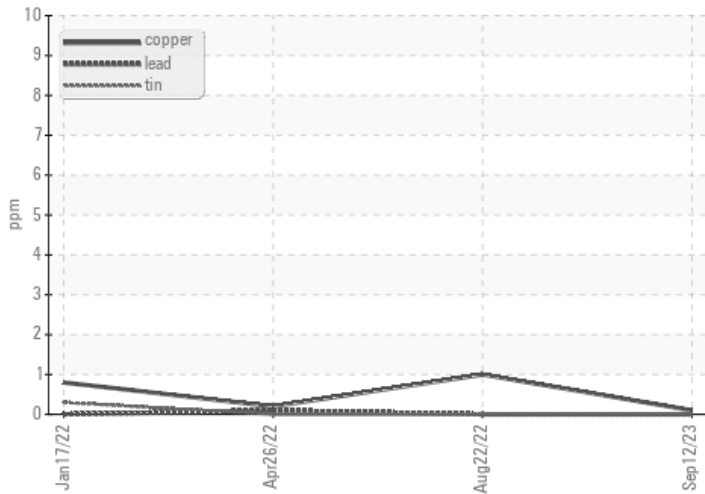


GRAPHS

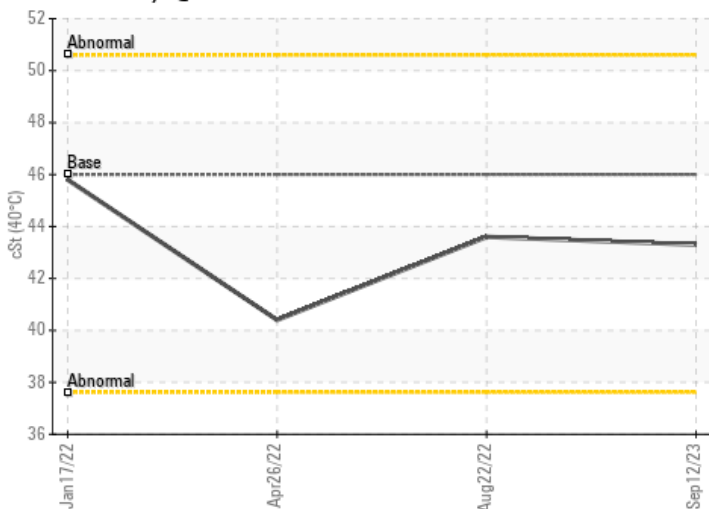
Ferrous Alloys



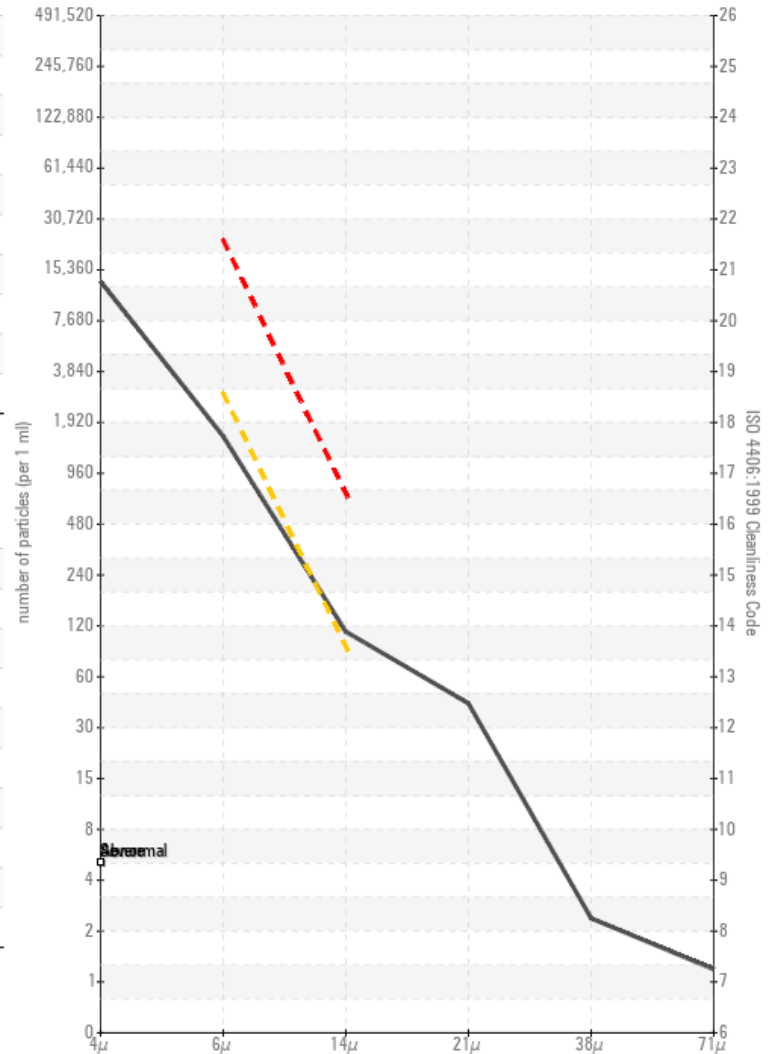
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

