



CONSTRUCTION EQUIPMENT

SPM608318 VOLVO L150H 7135 - HYDRAULIC SYSTEM



Sample No: VCP427376
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM608318



SAMPLE INFORMATION

Sample Number	VCP427376	VCP420698	VCP423151	VCP420059
Sample Date	12 Oct 2023	25 Aug 2023	12 Jun 2023	24 Apr 2023
Machine Hours	1283	4044	774	562
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	ABNORMAL	NORMAL	NORMAL	ABNORMAL

WASTE MANAGEMENT - GARY
 1508 SHERMAN ST
 GARY, IN
 US 46406
 Contact: TARA RORK

OIL CONDITION

Visc @ 40°C	cSt	42.4	41.4	42.6	42.6
Acid Number (AN)	mg KOH/g	0.25	0.33	0.23	0.31

T:
F:

CONTAMINATION

Particles >4µm	▲ 17776	3172	4664	▲ 11333	
Particles >6µm	▲ 5322	810	780	▲ 2488	
Particles >14µm	▲ 359	40	32	▲ 177	
ISO 4406:1999 (c)	21/20/16	19/17/12	19/17/12	21/18/15	
Silicon	ppm	<1	2	1	<1
Sodium	ppm	0	0	<1	0
Potassium	ppm	0	<1	<1	0

Diagnosis

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

WEAR METALS

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

ADDITIVES

Calcium	ppm	52	60	49	57
Magnesium	ppm	4	1	0	0
Zinc	ppm	462	426	437	441
Phosphorus	ppm	342	327	315	347
Barium	ppm	0	2	0	0
Boron	ppm	0	0	0	0

Depot: WASGARIN
Unique No: 10712942
Signed: Wes Davis
Report Date: 27 Oct 2023

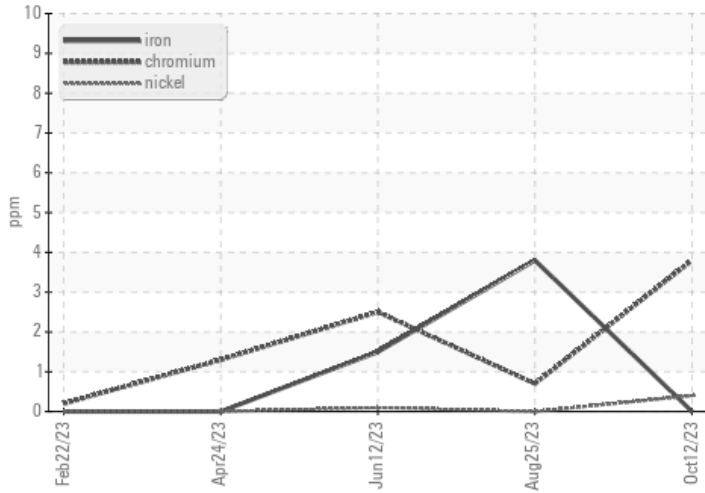


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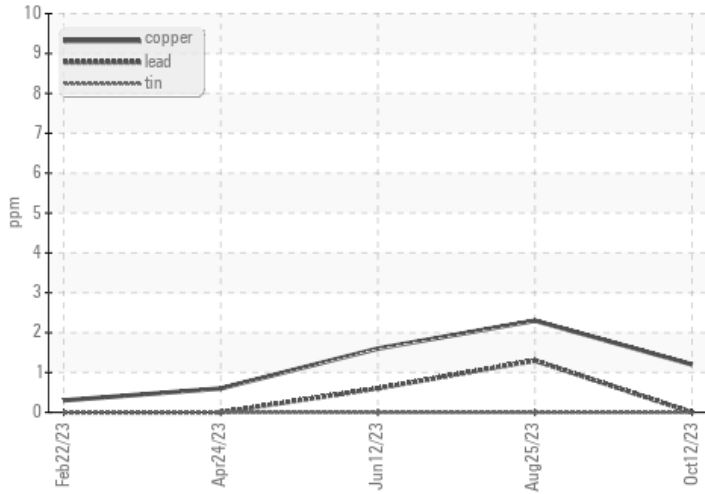


VOLVO GRAPHS

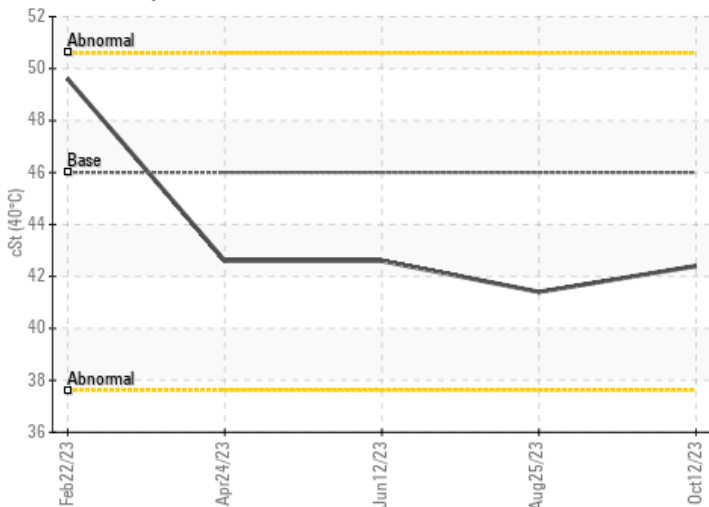
Ferrous Alloys



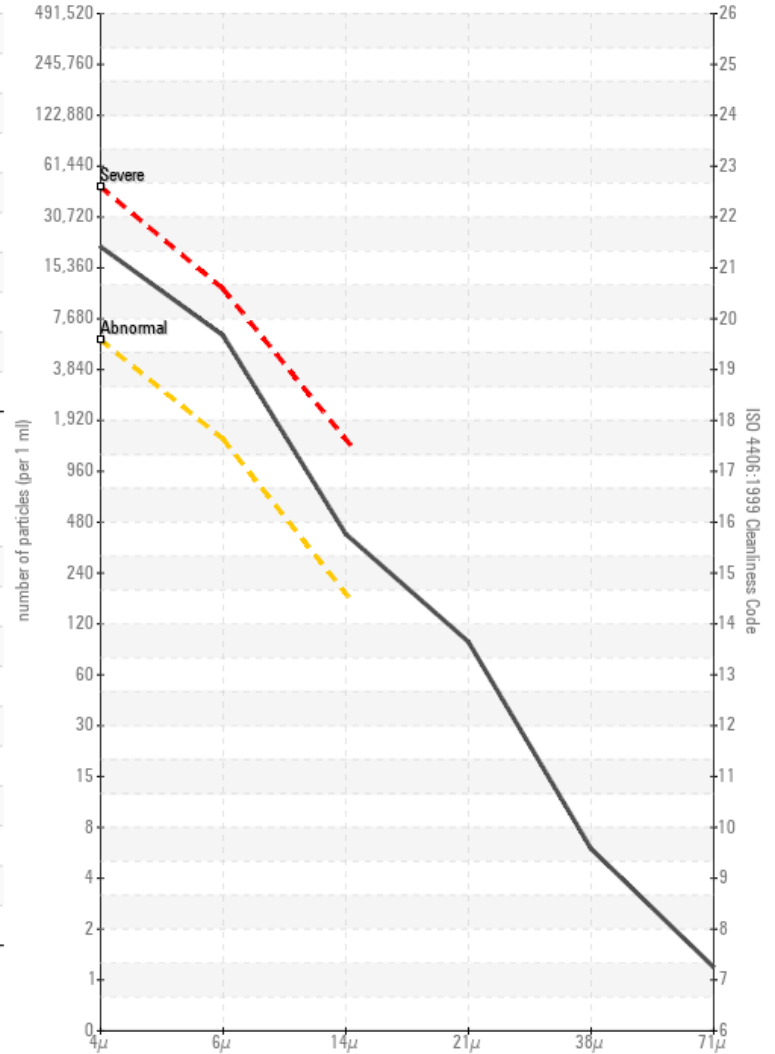
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

