



CONSTRUCTION EQUIPMENT

SPM581116 VOLVO L150H 7135 - HYDRAULIC SYSTEM



Sample No: VCP420698
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM581116



SAMPLE INFORMATION

Sample Number	VCP420698	VCP423151	VCP420059	VCP387162
Sample Date	25 Aug 2023	12 Jun 2023	24 Apr 2023	22 Feb 2023
Machine Hours	4044	774	562	276
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

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

OIL CONDITION

Visc @ 40°C	cSt	41.4	42.6	42.6	49.6
Acid Number (AN)	mg KOH/g	0.33	0.23	0.31	0.39

T:
F:

CONTAMINATION

Particles >4µm	3172	4664	11333	10947	
Particles >6µm	810	780	2488	2764	
Particles >14µm	40	32	177	140	
ISO 4406:1999 (c)	19/17/12	19/17/12	21/18/15	21/19/14	
Silicon	ppm	2	1	<1	1
Sodium	ppm	0	<1	0	<1
Potassium	ppm	<1	<1	0	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	4	2	0	0
Copper	ppm	2	2	<1	<1
Lead	ppm	1	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	<1	0
Chromium	ppm	<1	2	1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	60	49	57	52
Magnesium	ppm	1	0	0	0
Zinc	ppm	426	437	441	356
Phosphorus	ppm	327	315	347	294
Barium	ppm	2	0	0	0
Boron	ppm	0	0	0	0

Depot: WASGARIN
Unique No: 10632697
Signed: Wes Davis
Report Date: 06 Sep 2023

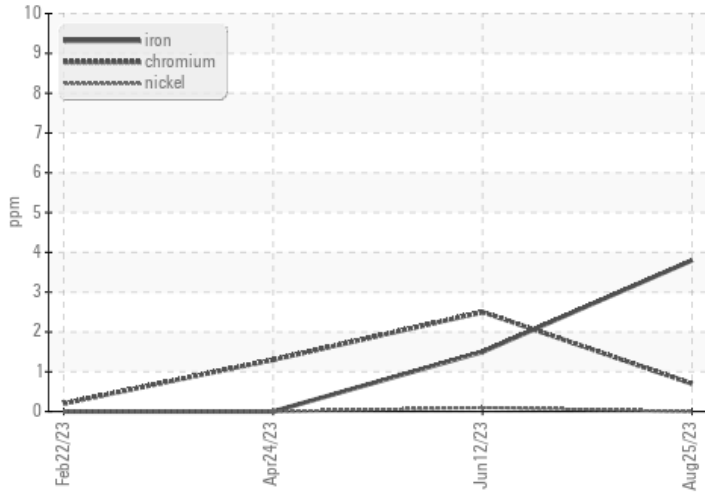


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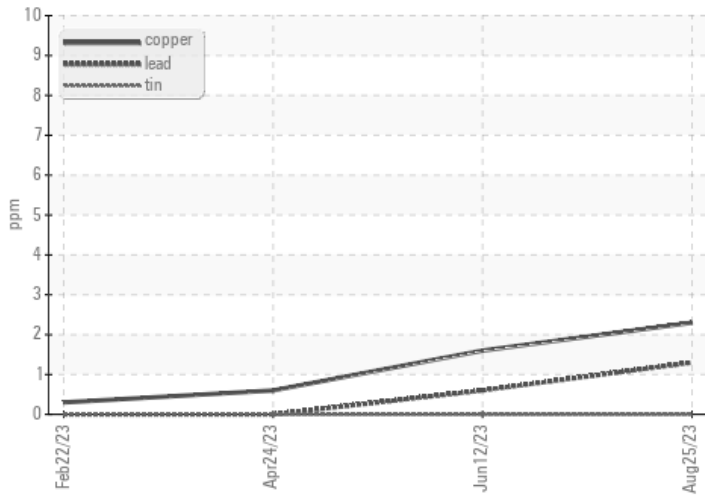


GRAPHS

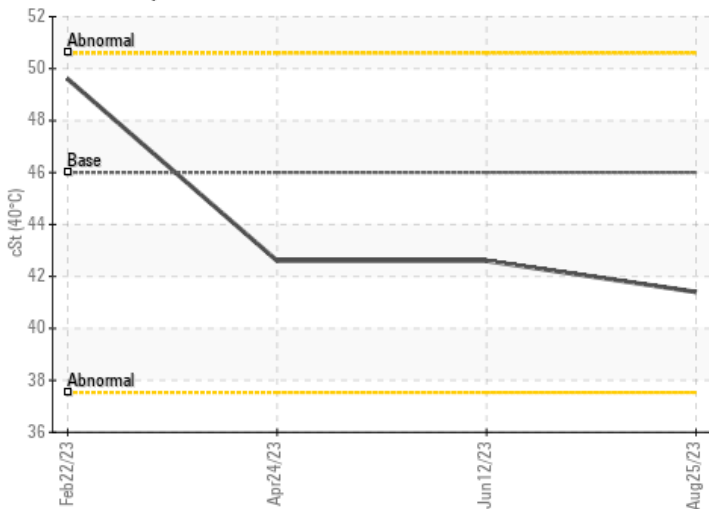
Ferrous Alloys



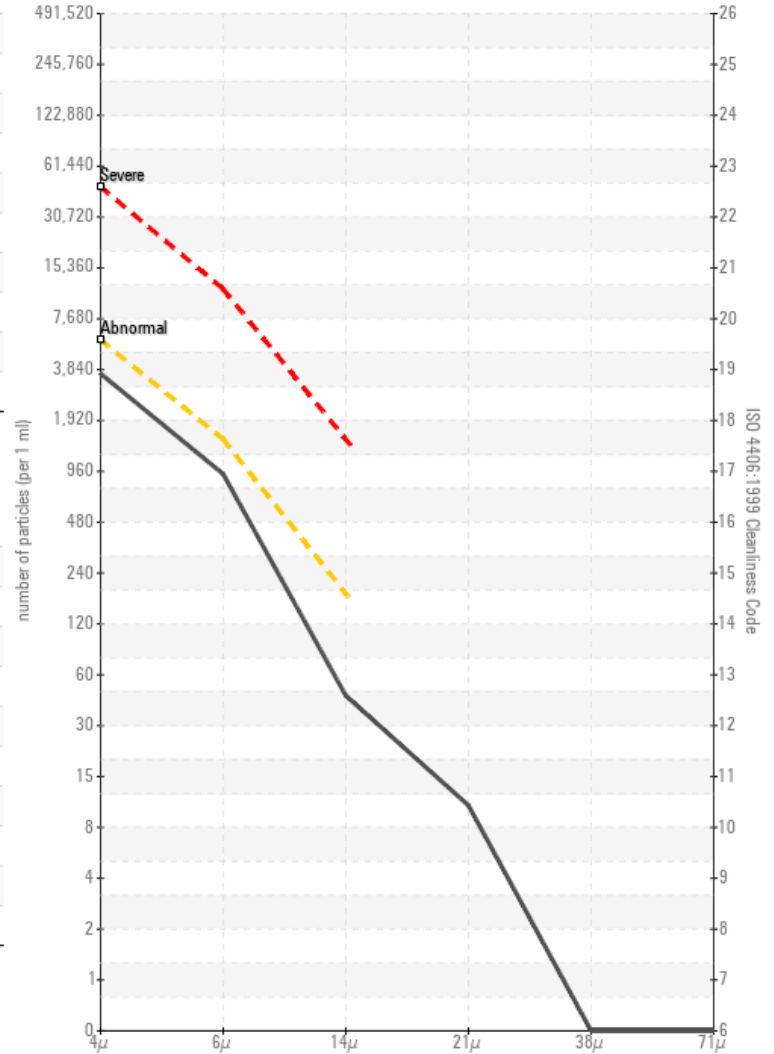
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

