



CONSTRUCTION EQUIPMENT

SPM428497 VOLVO L150H 6556 - HYDRAULIC SYSTEM



Sample No: VCP358037
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM428497



SAMPLE INFORMATION

Sample Number	VCP358037	VCP373894	VCP358002	VCP05494678
Sample Date	22 Jul 2022	27 Jun 2022	03 May 2022	07 Mar 2022
Machine Hours	5795	5668	5411	5124
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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



OIL CONDITION

Visc @ 40°C	cSt	40.3	40.5	40.6	40.8
Acid Number (AN)	mg KOH/g	0.34	0.33	0.32	0.30

T:
F:



CONTAMINATION

Particles >4µm	2210	29653	17770	32055
Particles >6µm	328	1399	225	3398
Particles >14µm	20	111	5	157
ISO 4406:1999 (c)	18/16/11	22/18/14	21/15/10	22/19/14
Silicon	ppm	3	3	3
Sodium	ppm	2	2	0
Potassium	ppm	0	<1	2

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The chromium level is abnormal. All other component wear rates are normal. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	7	8	7	7
Copper	ppm	4	4	4	4
Lead	ppm	<1	1	1	1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	2	<1	<1	<1
Chromium	ppm	27	28	27	25
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	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	47	53	51	68
Magnesium	ppm	<1	<1	<1	2
Zinc	ppm	409	436	434	467
Phosphorus	ppm	315	344	329	351
Barium	ppm	0	<1	0	0
Boron	ppm	<1	3	0	<1

Depot: WASGARIN
Unique No: 10100171
Signed: Angela Borella
Report Date: 19 Aug 2022

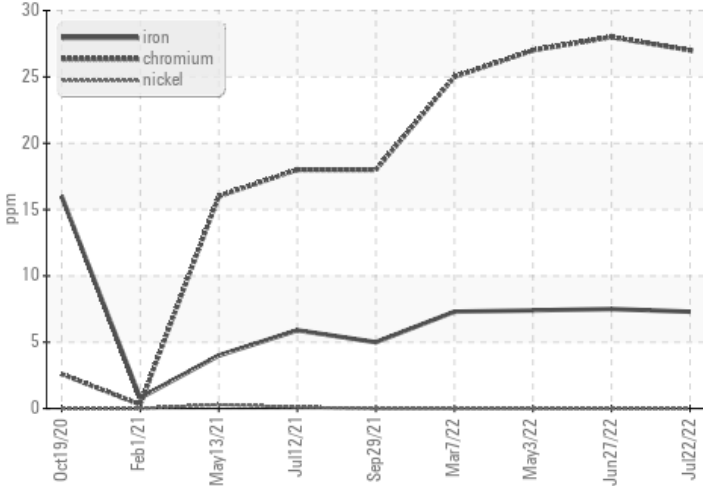


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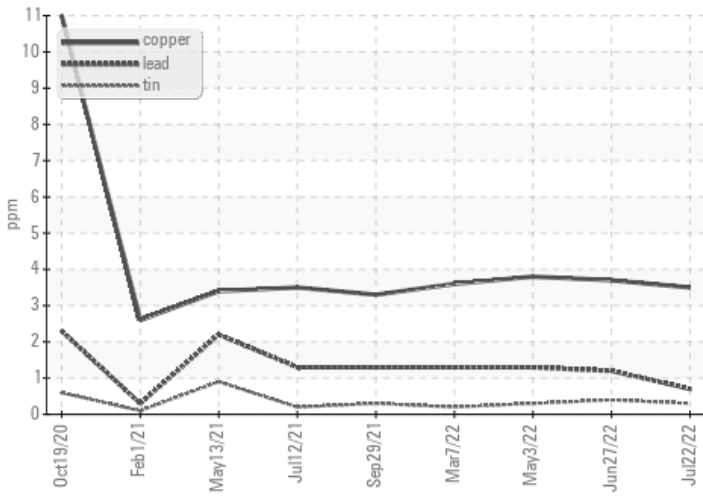


GRAPHS

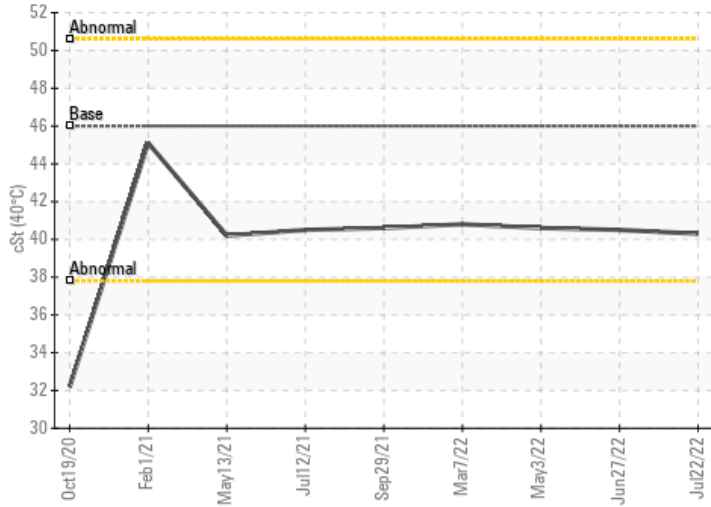
▲ Ferrous Alloys



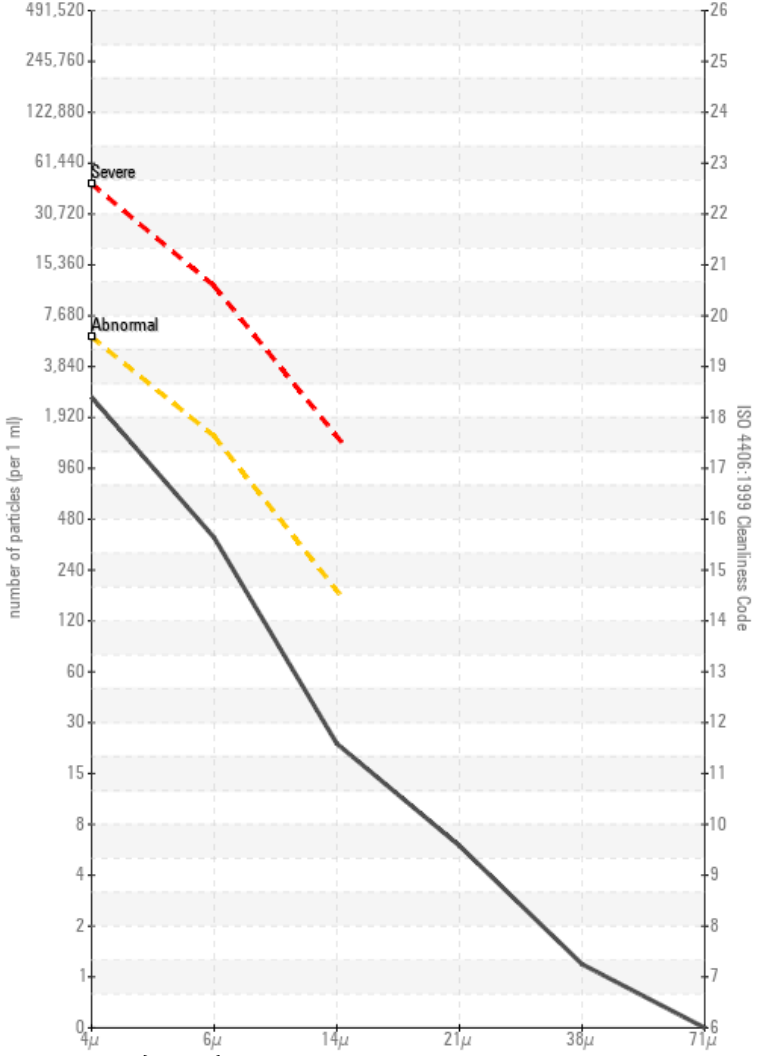
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

