



CONSTRUCTION EQUIPMENT

19793 KOPPERS-LELAND VOLVO L150H 6856 - HYDRAULIC SYSTEM



Sample No: VCP441578
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 19793 KOPPERS-LELAND



SAMPLE INFORMATION

Sample Number	VCP441578	VCP426489	VCP421454	VCP298861
Sample Date	28 Sep 2023	13 Jul 2023	03 May 2023	11 Aug 2021
Machine Hours	6473	6021	5629	2042
Oil Hours	0	0	1635	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.9	43.0	42.6	42.5
Acid Number (AN)	mg KOH/g	0.35	0.31	0.36	0.442



CONTAMINATION

Particles >4µm	▲ 8323	1647	3132	1020	
Particles >6µm	▲ 2493	354	899	220	
Particles >14µm	▲ 188	30	90	15	
ISO 4406:1999 (c)	20/18/15	18/16/12	19/17/14	17/15/11	
Silicon	ppm	2	2	1	2
Sodium	ppm	2	<1	1	<1
Potassium	ppm	1	1	0	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	9	8	8	<1
Copper	ppm	4	4	4	2
Lead	ppm	1	1	<1	<1
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	<1	0	3	0
Chromium	ppm	2	2	1	0
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	69	44	45	40
Magnesium	ppm	1	<1	1	0
Zinc	ppm	422	416	430	375
Phosphorus	ppm	312	325	350	292
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: VOLVO8769
Unique No: 10701977
Signed: Wes Davis
Report Date: 23 Oct 2023

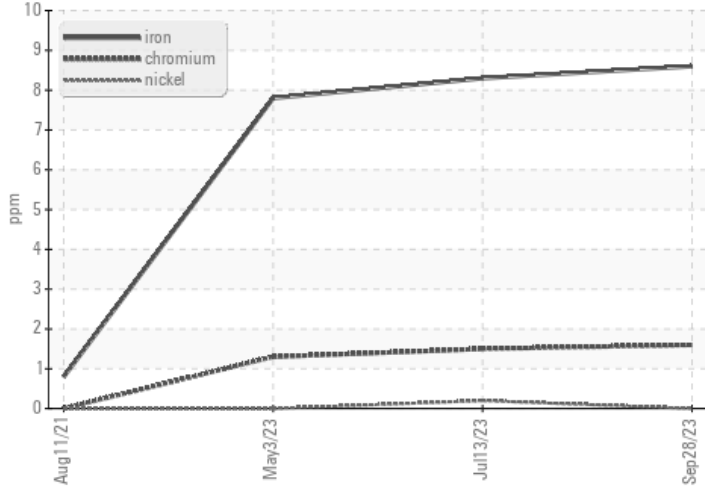


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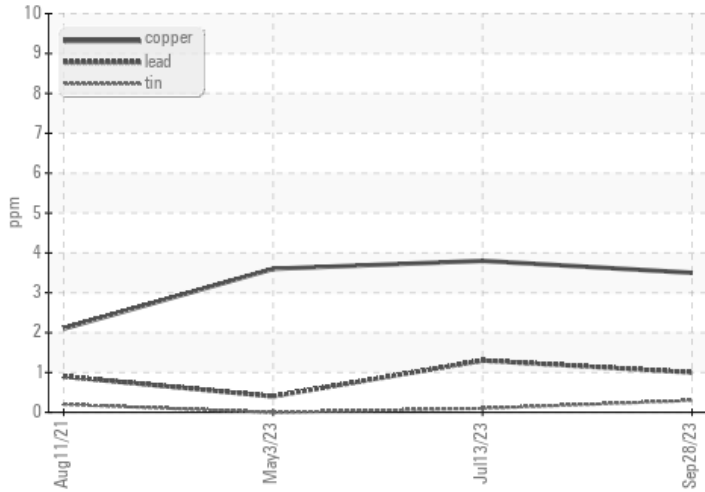


GRAPHS

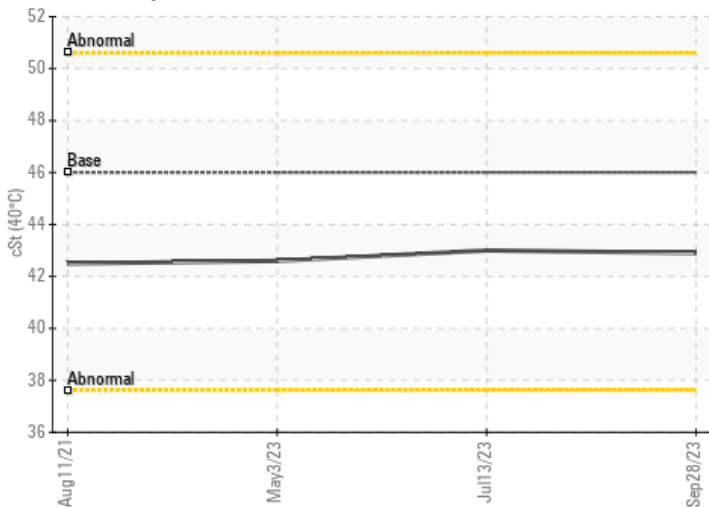
Ferrous Alloys



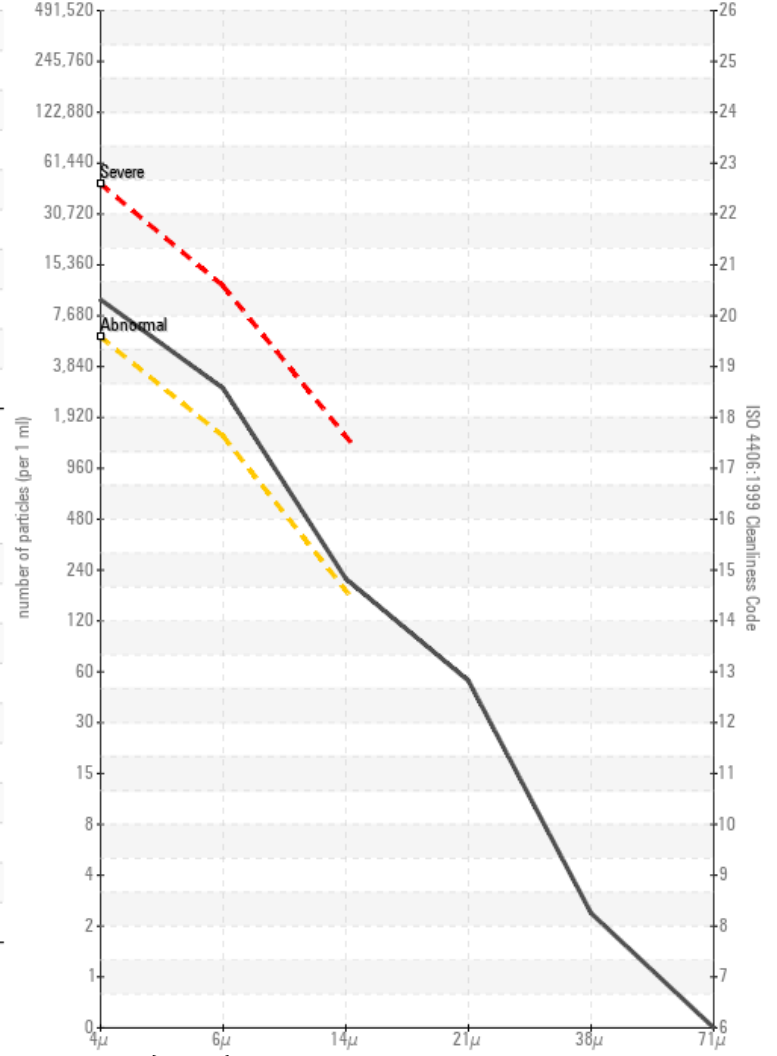
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

