



CONSTRUCTION EQUIPMENT

18966 KOPPERS VOLVO L150H 6838 - HYDRAULIC SYSTEM



Sample No: VCP408996
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 18966 KOPPERS



SAMPLE INFORMATION

Sample Number	VCP408996	VCP387687	VCP399780	VCP0005098
Sample Date	20 Jun 2023	21 Mar 2023	05 Jan 2023	14 Nov 2022
Machine Hours	6554	6120	5570	5176
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	ATTENTION	ATTENTION	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	41.4	41.5	41.2	41.2
Acid Number (AN)	mg KOH/g	0.35	0.42	0.41	0.36



CONTAMINATION

Particles >4µm	7227	3501	543	38622	
Particles >6µm	1535	852	95	12251	
Particles >14µm	98	64	14	932	
ISO 4406:1999 (c)	20/18/14	19/17/13	16/14/11	22/21/17	
Silicon	ppm	1	2	1	2
Sodium	ppm	3	2	2	2
Potassium	ppm	0	0	0	0

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate 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	5	4	4	4
Copper	ppm	4	4	4	4
Lead	ppm	<1	<1	1	1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	2	2	1	1
Molybdenum	ppm	0	<1	0	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	49	45	48	46
Magnesium	ppm	2	<1	0	2
Zinc	ppm	442	428	430	364
Phosphorus	ppm	356	352	339	319
Barium	ppm	0	0	0	0
Boron	ppm	0	2	0	0

Depot: VOLVO8769
Unique No: 10538825
Signed: Don Baldrige
Report Date: 04 Jul 2023

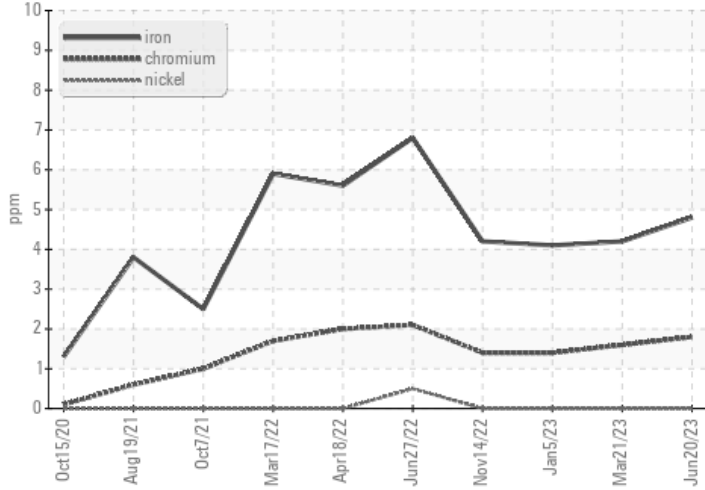


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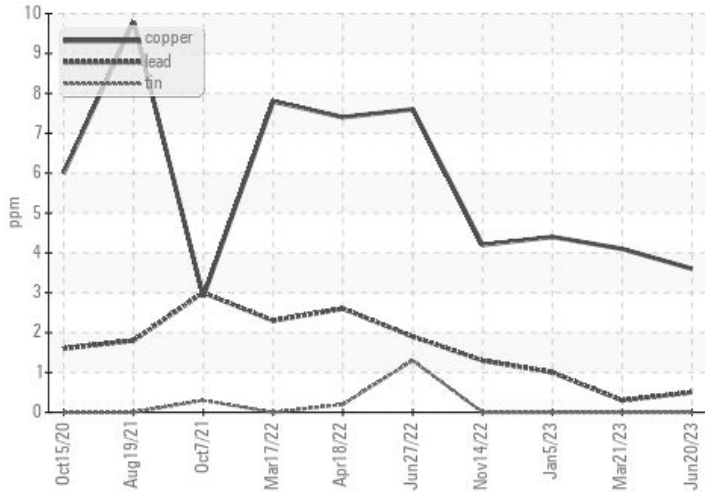


VOLVO GRAPHS

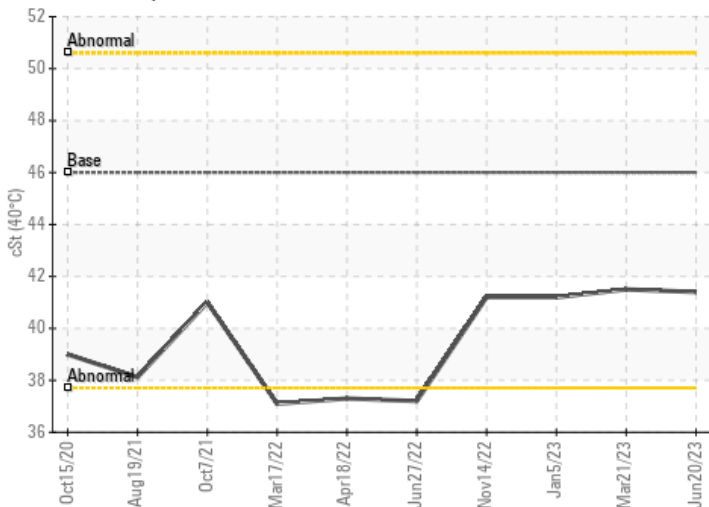
Ferrous Alloys



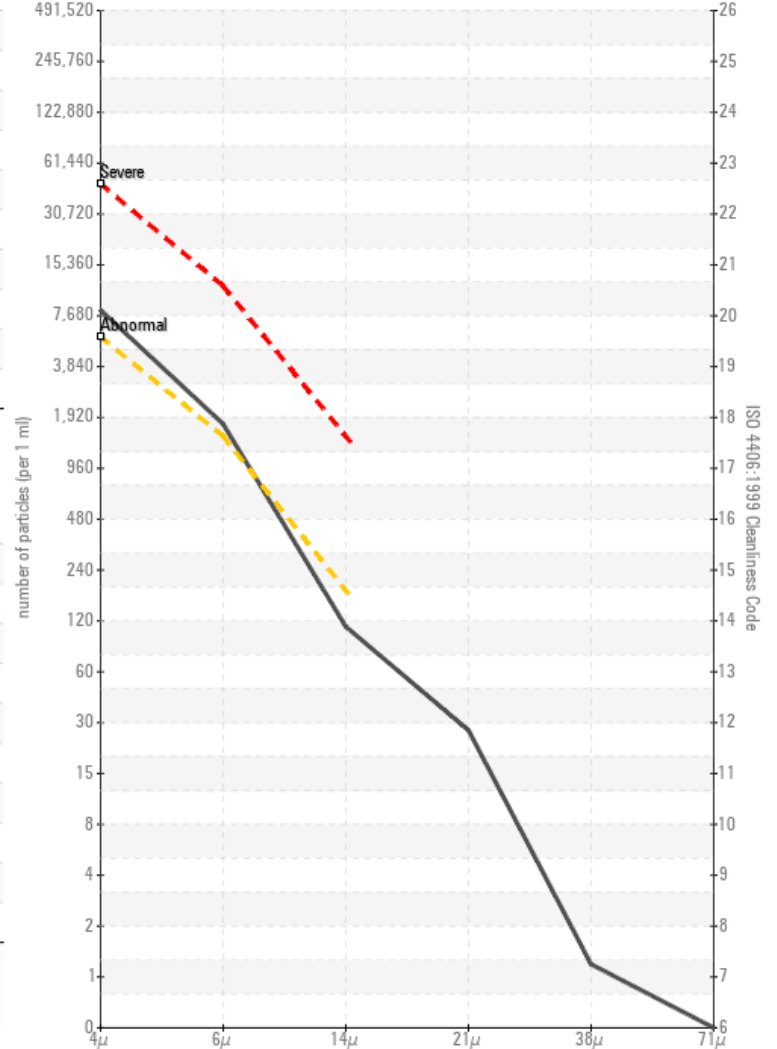
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

