



CONSTRUCTION EQUIPMENT

511389 VOLVO L70H 622630 - HYDRAULIC SYSTEM



Sample No: VCP455297
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 511389



SAMPLE INFORMATION

Sample Number	VCP455297	VCP432926	VCP417720	VCP405129
Sample Date	15 Mar 2024	15 Dec 2023	07 Jul 2023	03 Apr 2023
Machine Hours	11764	11214	10741	9826
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	N/A	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

WASTE MANAGEMENT

4986 LB MCLEOD RD.
 ORLANDO, FL
 US 32811
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	43.9	42.3	42.2	42.0
Acid Number (AN)	mg KOH/g	0.46	0.40	0.42	0.47

T: (407)481-2530
 F: (407)843-0614



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		670	1078	285	414
Particles >6µm		134	197	52	107
Particles >14µm		9	17	7	12
ISO 4406:1999 (c)		17/14/10	17/15/11	15/13/10	16/14/11
Silicon	ppm	3	4	3	4
Sodium	ppm	5	3	5	5
Potassium	ppm	1	1	0	1

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	14	16	15	12
Copper	ppm	2	2	2	<1
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	0	2	<1	0
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	6	2	2	2
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	312	267	283	307
Magnesium	ppm	17	8	7	10
Zinc	ppm	466	493	483	503
Phosphorus	ppm	375	418	402	408
Barium	ppm	0	6	0	0
Boron	ppm	10	4	3	4

Depot: WASORL
Unique No: 10937734
Signed: Wes Davis
Report Date: 25 Mar 2024

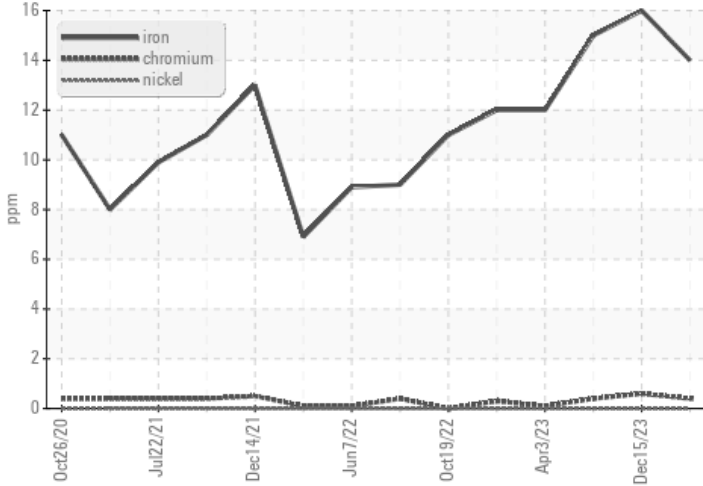


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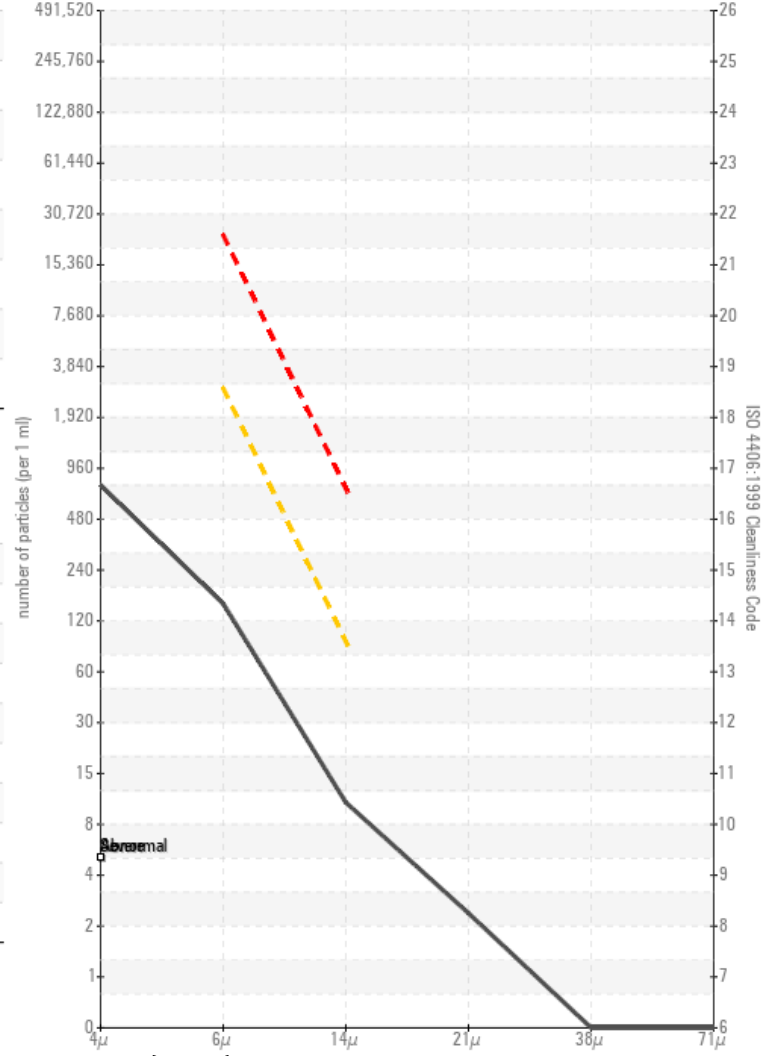


VOLVO GRAPHS

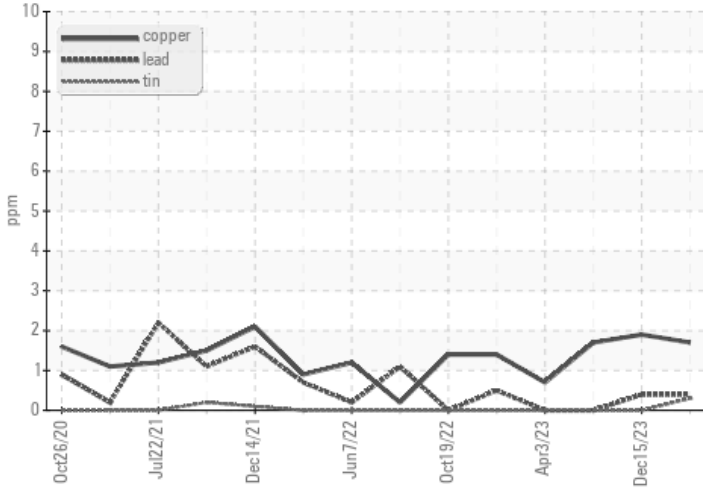
Ferrous Alloys



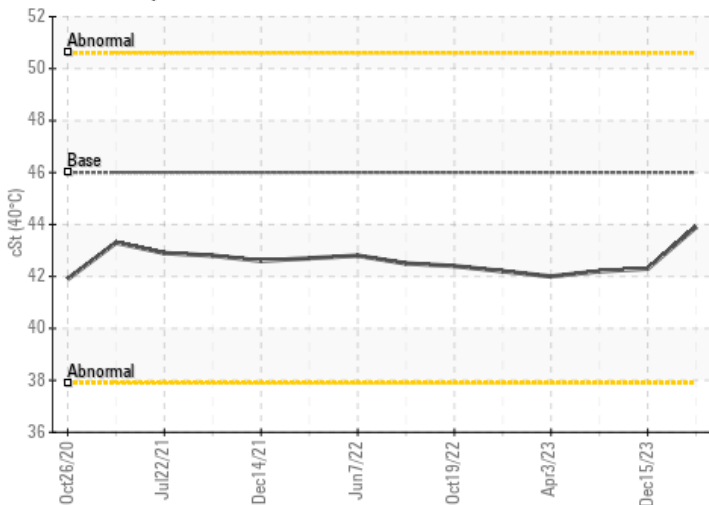
Particle Count



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

