



CONSTRUCTION EQUIPMENT

623580 IAA VOLVO L90H 623580 - HYDRAULIC SYSTEM



Sample No: VCP432668
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 623580 IAA



SAMPLE INFORMATION

Sample Number	VCP432668	VCP349423	VCP296559	VCP258453
Sample Date	17 Oct 2023	28 Jan 2022	30 Oct 2020	28 Aug 2019
Machine Hours	12999	10200	8650	6559
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	ATTENTION	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	41.5	42.7	32.2	40.3
Acid Number (AN)	mg KOH/g	0.24	0.24	0.325	0.237



CONTAMINATION

Particles >4µm		1631	2710	1704	7169
Particles >6µm		327	640	337	2013
Particles >14µm		23	37	33	199
ISO 4406:1999 (c)		18/16/12	19/16/12	18/16/12	20/18/15
Silicon	ppm	4	4	4	7
Sodium	ppm	0	2	0	0
Potassium	ppm	2	0	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	6	4	4	4
Copper	ppm	4	3	4	5
Lead	ppm	1	1	1	2
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	<1	0	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	0	0	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	134	131	199	66
Magnesium	ppm	4	4	4	1
Zinc	ppm	443	459	452	442
Phosphorus	ppm	353	344	348	334
Barium	ppm	3	0	0	0
Boron	ppm	1	3	0	<1

Depot: VOLVO0096
Unique No: 10711774
Signed: Wes Davis
Report Date: 26 Oct 2023

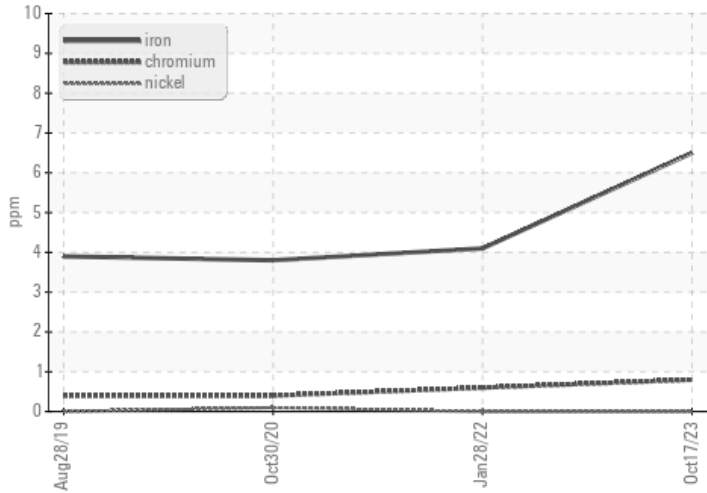


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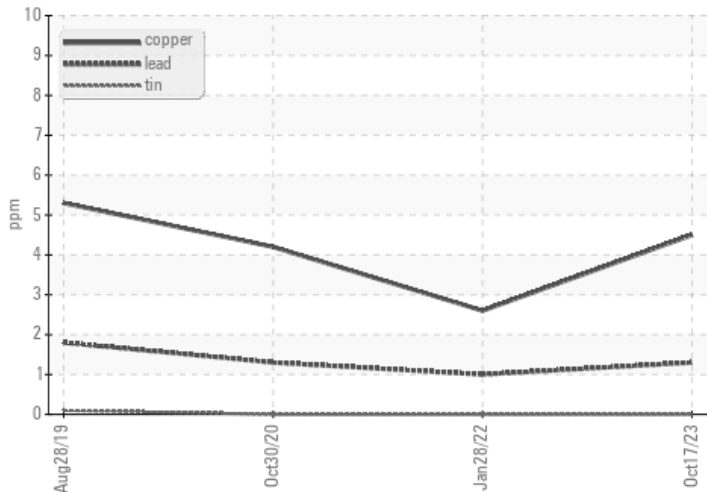


VOLVO GRAPHS

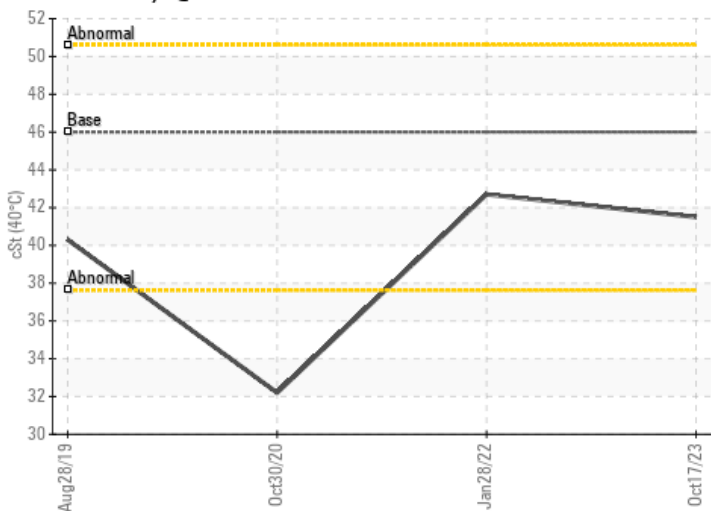
Ferrous Alloys



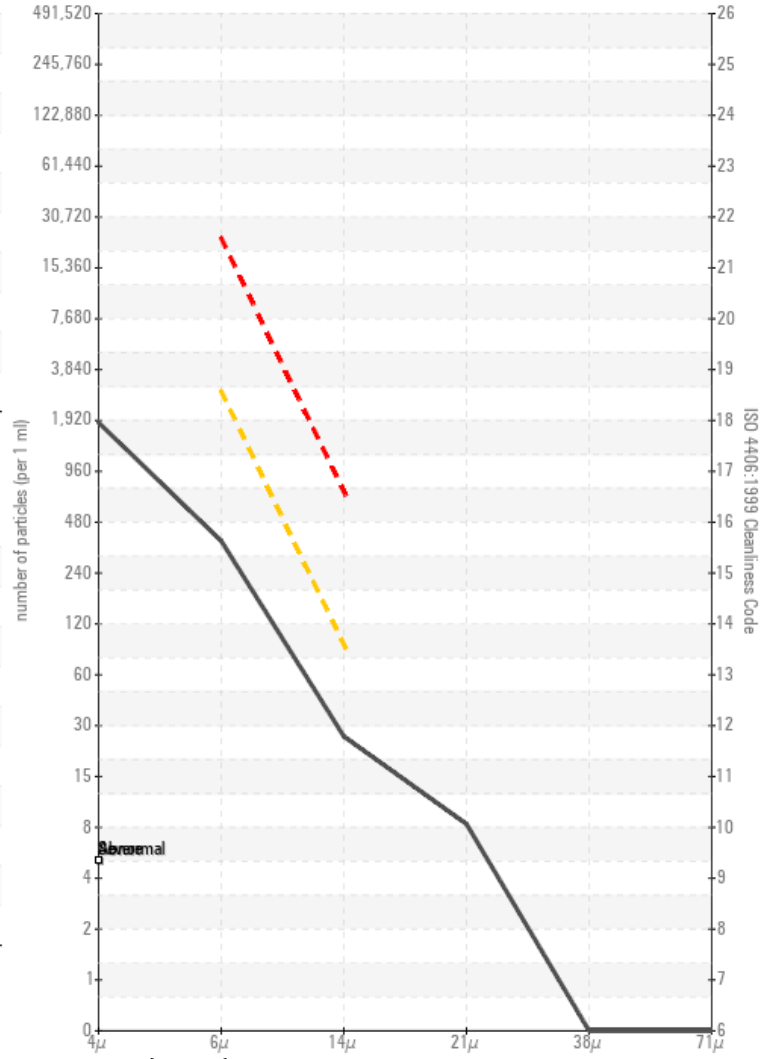
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

