



CONSTRUCTION EQUIPMENT

701286 PRIMORIS VOLVO A40G 352491 - HYDRAULIC SYSTEM



Sample No: VCP437294
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 701286 PRIMORIS



SAMPLE INFORMATION

Sample Number	VCP437294	VCP414718	VCP411350	VCP364301
Sample Date	18 Apr 2024	22 Sep 2023	25 Apr 2023	15 Aug 2022
Machine Hours	5157	4299	3617	2635
Oil Hours	1000	4299	3617	500
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	ATTENTION

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OIL CONDITION

Visc @ 40°C	cSt	45.1	44.4	44.4	43.9
Acid Number (AN)	mg KOH/g	0.23	0.42	0.41	0.44



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		3327	600	---	20394
Particles >6µm		802	91	---	5126
Particles >14µm		56	9	---	266
ISO 4406:1999 (c)		19/17/13	16/14/10	---	22/20/15
Silicon	ppm	2	8	8	6
Sodium	ppm	<1	3	3	<1
Potassium	ppm	0	1	<1	0

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	2	6	8	6
Copper	ppm	<1	1	3	4
Lead	ppm	<1	5	4	3
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	0	2	2	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	<1	0	<1	<1
Manganese	ppm	0	<1	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	118	259	271	81
Magnesium	ppm	0	6	13	2
Zinc	ppm	462	521	508	408
Phosphorus	ppm	348	394	407	332
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: VOLVO0093
Unique No: 11047132
Signed: Wes Davis
Report Date: 28 May 2024

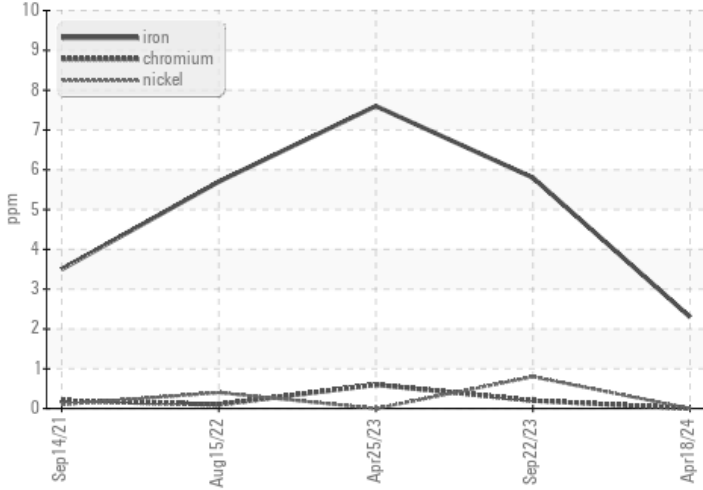


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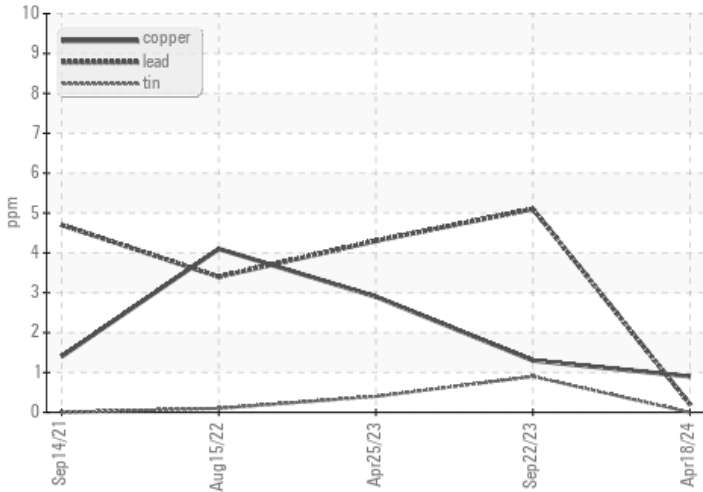


VOLVO GRAPHS

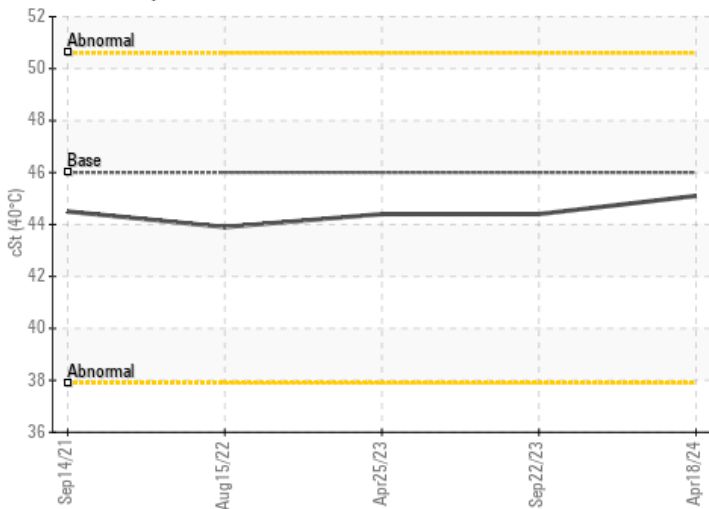
Ferrous Alloys



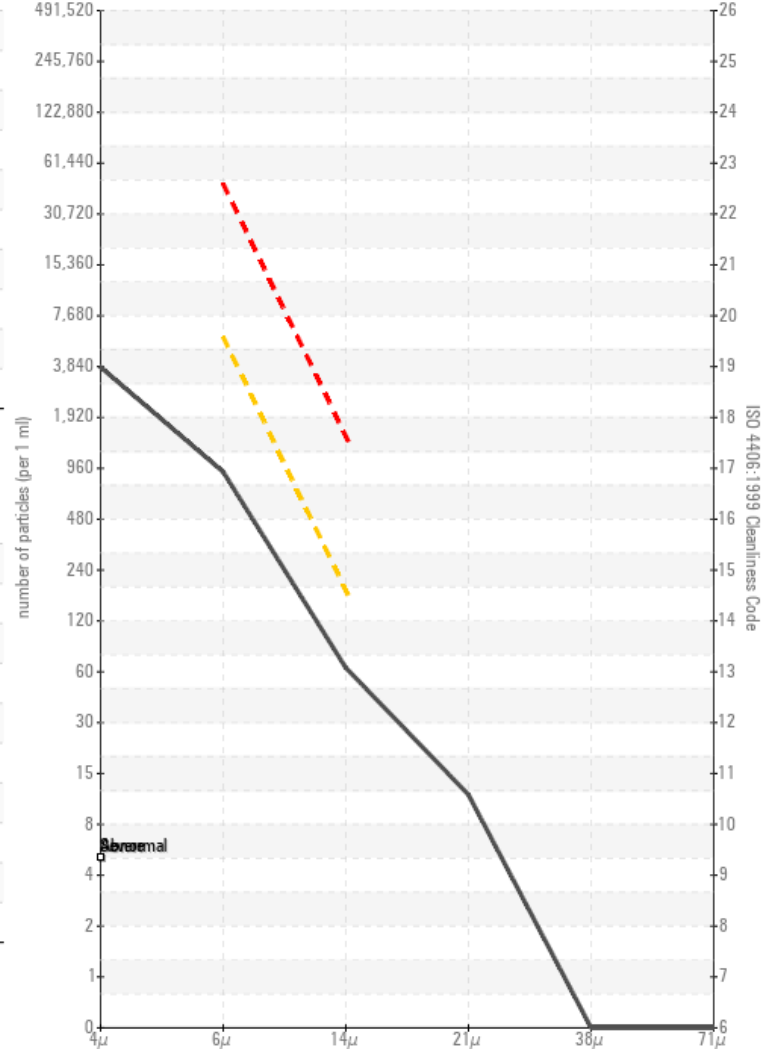
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

