



CONSTRUCTION EQUIPMENT

61239 VOLVO A25G 740358 - HYDRAULIC SYSTEM



Sample No: VCP454338
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 61239



SAMPLE INFORMATION

Sample Number	VCP454338	VCP421093	VCP353502	VCP337760
Sample Date	23 Feb 2024	31 Mar 2023	10 Jun 2022	31 May 2022
Machine Hours	10241	9085	8321	7505
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

WLW CONSTRUCTION

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 MT DORA, FL
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 F:



OIL CONDITION

Visc @ 40°C	cSt	44.7	43.8	43.8	41.9
Acid Number (AN)	mg KOH/g	0.41	0.36	0.37	0.52



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		12137	---	2939	1557
Particles >6µm		1688	---	528	215
Particles >14µm		123	---	26	25
ISO 4406:1999 (c)		21/18/14	---	19/16/12	18/15/12
Silicon	ppm	10	10	10	8
Sodium	ppm	5	2	3	4
Potassium	ppm	0	0	0	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	18	18	20	13
Copper	ppm	12	12	13	5
Lead	ppm	2	2	4	2
Tin	ppm	0	0	0	0
Aluminum	ppm	9	10	10	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	2	4
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	2	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	76	81	79	661
Magnesium	ppm	2	6	7	27
Zinc	ppm	407	411	413	476
Phosphorus	ppm	315	352	336	405
Barium	ppm	0	0	0	0
Boron	ppm	0	0	1	11

Depot: WLWMOU
Unique No: 10903359
Signed: Wes Davis
Report Date: 01 Mar 2024

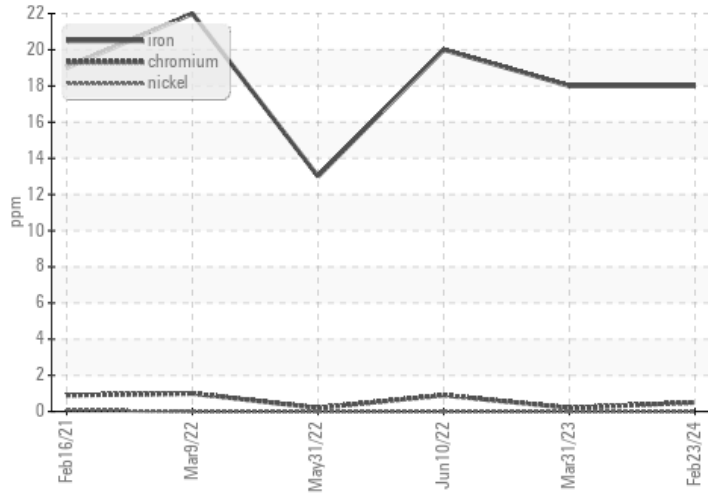


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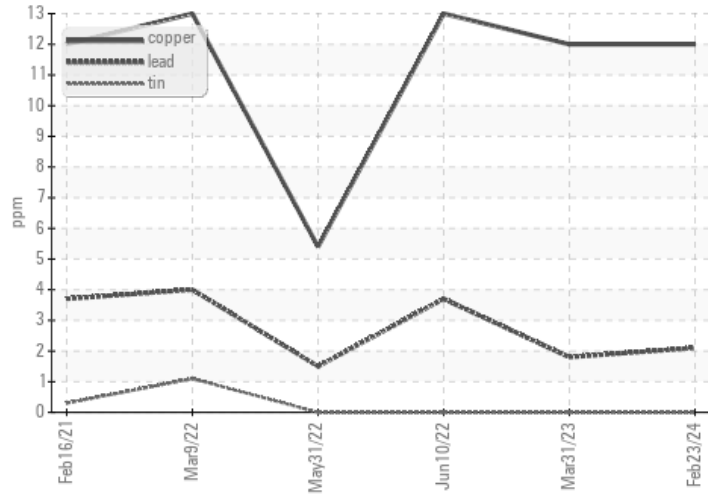


VOLVO GRAPHS

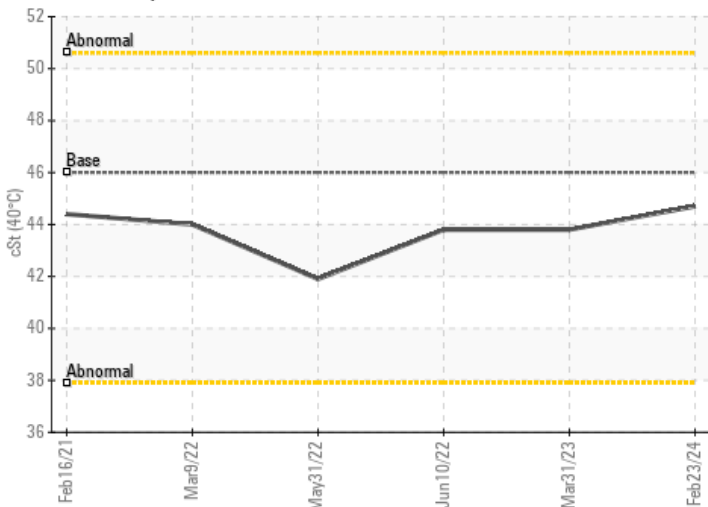
Ferrous Alloys



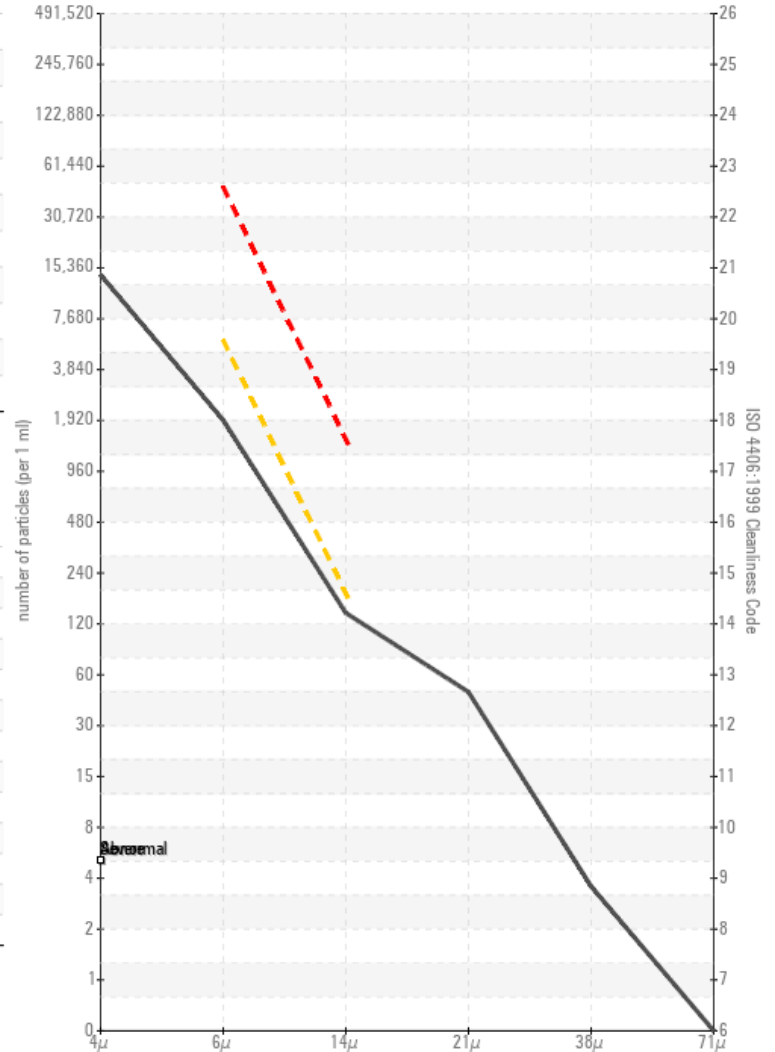
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

