CONSTRUCTION EQUIPMENT
VOLVO A40G 752009 - HYDRAULIC SYSTEM

Sample No: VCP454441
Oil Type: MOBIL 10W
Job No:

SCHILDBERG CONSTRUCTION COMPANY
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US 50849
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SAMPLE INFORMATION

Sample Number		**VCP454441**	VCP398083	VCP445738	VCP312950
Sample Date		**10 Jun 2024**	12 Mar 2024	29 Nov 2023	12 Sep 2023
Machine Hours		**2081**	1479	987	482
Oil Hours		**1694**	1052	560	482
Oil Changed		**Not Changd**	Not Changd	Not Changd	Not Changd
Sample Status		**NORMAL**	ABNORMAL	NORMAL	ATTENTION

OIL CONDITION

Visc @ 40°C	cSt	**42.8**	43.8	44.1	44.9
Acid Number (AN)	mg KOH/g	**0.33**	0.33	0.38	0.35

CONTAMINATION

Water	%	**NEG**	NEG	NEG	NEG
Particles >4µm		**8528**	14792	14333	12064
Particles >6µm		**2339**	▲ 5674	3800	3239
Particles >14µm		**126**	▲ 734	122	● 212
ISO 4406:1999 (c)		**20/18/14**	21/20/17	21/19/14	21/19/15
Silicon	ppm	**3**	2	2	2
Sodium	ppm	**<1**	<1	2	0
Potassium	ppm	**0**	0	0	0

WEAR METALS

Iron	ppm	**3**	1	0	1
Copper	ppm	**<1**	1	2	1
Lead	ppm	**<1**	<1	0	1
Tin	ppm	**0**	<1	0	0
Aluminum	ppm	**0**	0	0	<1
Chromium	ppm	**0**	0	0	0
Molybdenum	ppm	**0**	0	0	0
Nickel	ppm	**0**	0	0	0
Titanium	ppm	**0**	0	0	0
Silver	ppm	**0**	0	0	0
Manganese	ppm	**0**	<1	<1	0
Vanadium	ppm	**0**	0	0	0

ADDITIVES

Calcium	ppm	**81**	98	66	75
Magnesium	ppm	**2**	<1	0	3
Zinc	ppm	**462**	455	423	414
Phosphorus	ppm	**381**	354	319	333
Barium	ppm	**0**	0	0	0
Boron	ppm	**0**	0	0	0

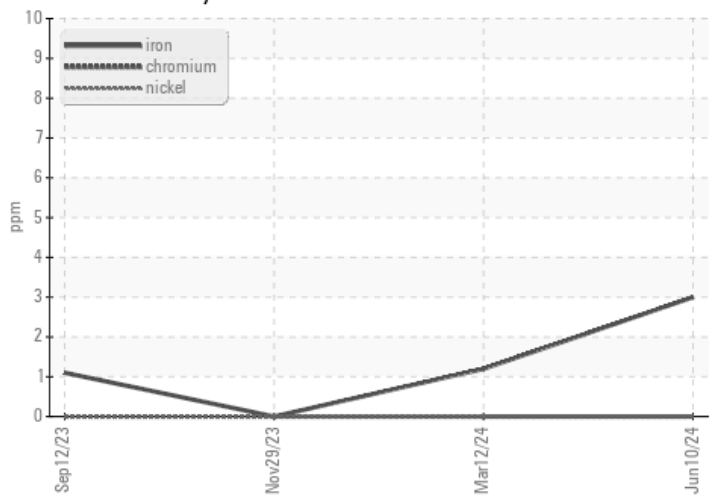
Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

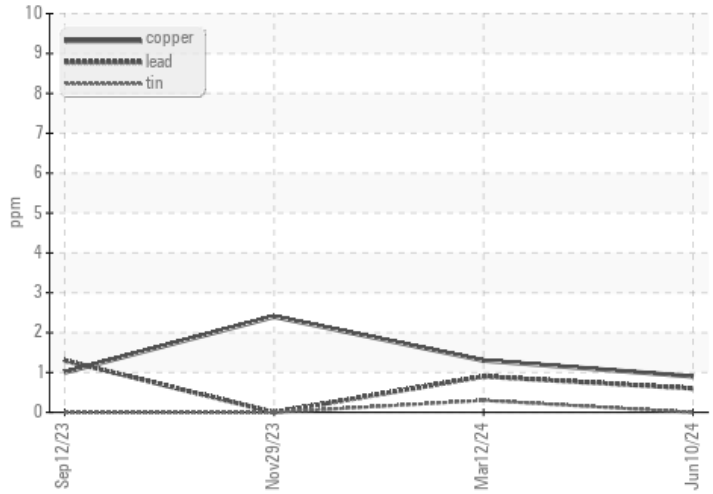
Depot: SCHGRE
Unique No: 11126526
Signed: Jonathan Hester
Report Date: 18 Jul 2024

GRAPHS

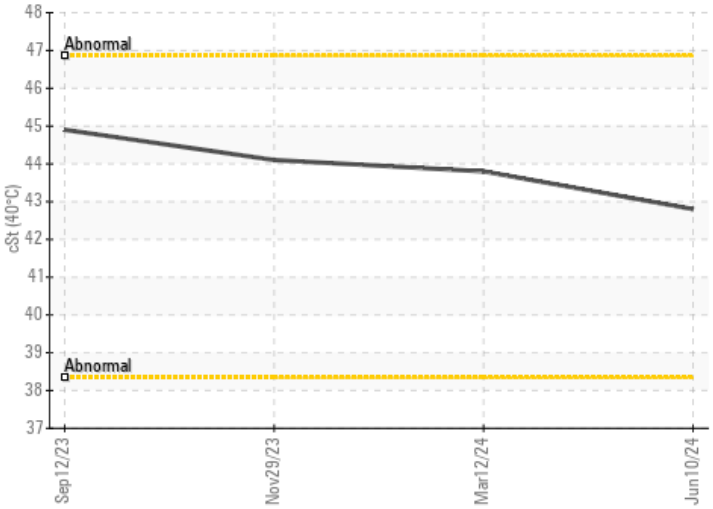
Ferrous Alloys



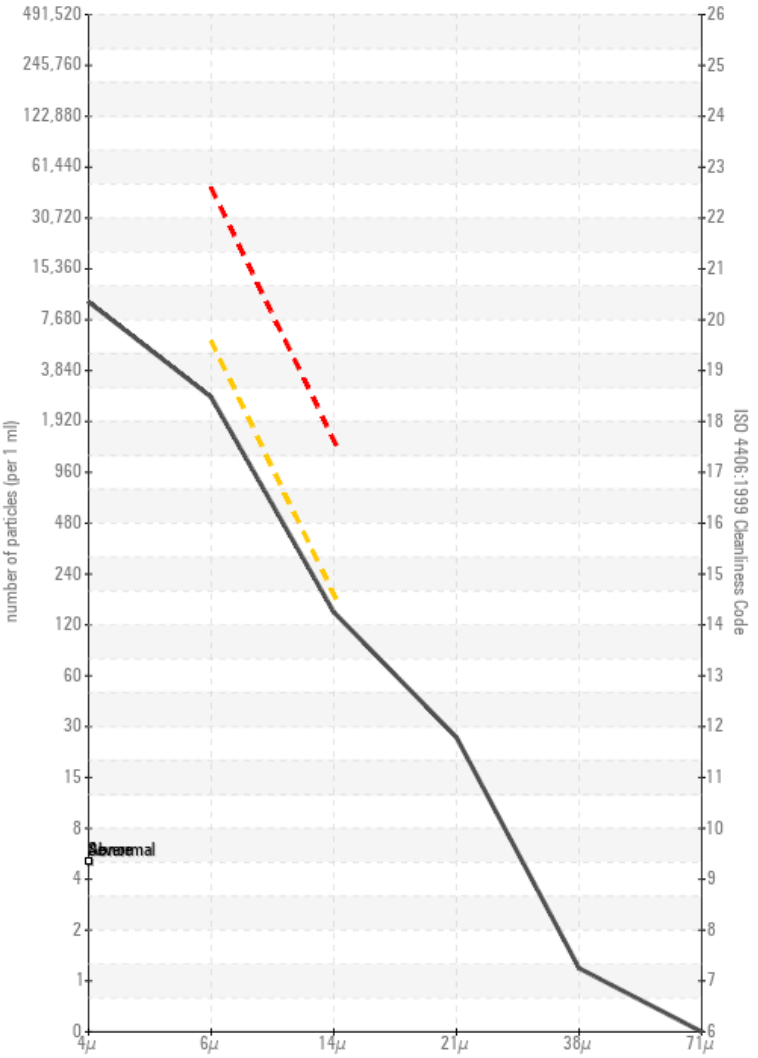
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number