CONSTRUCTION EQUIPMENT
VOLVO A40G 352566 - WET DISC BRAKE

Sample No: VCP445496
Oil Type: MOBIL MOBILFLUID 424
Job No:

SCHILDBERG CONSTRUCTION COMPANY
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US 50849
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SAMPLE INFORMATION

Sample Number		**VCP445496**	VCP433560	VCP341888	VCP312550
Sample Date		**06 Jun 2024**	02 Apr 2024	11 Dec 2023	04 Oct 2023
Machine Hours		**6165**	5666	5026	4584
Oil Hours		**1581**	1082	442	2218
Oil Changed		**Not Changd**	Not Changd	Not Changd	Changed
Sample Status		**ABNORMAL**	ABNORMAL	ABNORMAL	ABNORMAL

OIL CONDITION

Visc @ 40°C	cSt	**44.9**	44.8	45.3	42.1

CONTAMINATION

Water	%	**NEG**	NEG	NEG	NEG
Silicon	ppm	**16**	15	18	19
Sodium	ppm	**5**	7	6	6
Potassium	ppm	**2**	0	<1	2

WEAR METALS

Iron	ppm	**25**	14	20	24
Copper	ppm	**121**	126	114	165
Lead	ppm	**0**	0	0	0
Tin	ppm	**0**	0	<1	0
Aluminum	ppm	**2**	<1	<1	1
Chromium	ppm	**1**	<1	<1	<1
Molybdenum	ppm	**<1**	0	0	<1
Nickel	ppm	**4**	3	3	6
Titanium	ppm	**<1**	0	0	<1
Silver	ppm	**0**	0	0	0
Manganese	ppm	**<1**	1	<1	<1
Vanadium	ppm	**<1**	0	0	0

ADDITIVES

Calcium	ppm	**3353**	3373	3407	3417
Magnesium	ppm	**12**	<1	15	10
Zinc	ppm	**1396**	1401	1438	1469
Phosphorus	ppm	**1198**	1267	1169	1214
Barium	ppm	**<1**	0	0	0
Boron	ppm	**109**	115	108	121

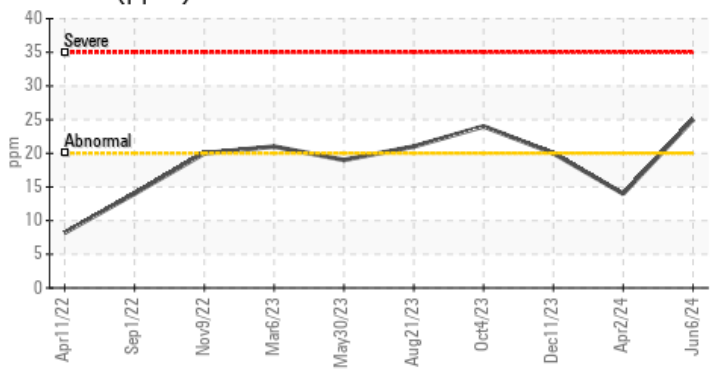
Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

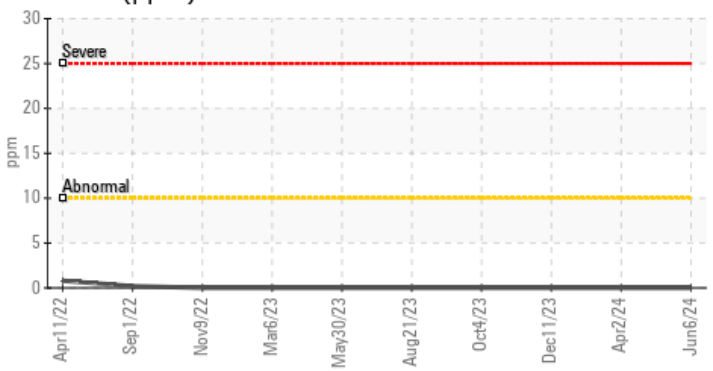
Depot: SCHGRE
Unique No: 11085039
Signed: Don Baldridge
Report Date: 19 Jun 2024

GRAPHS

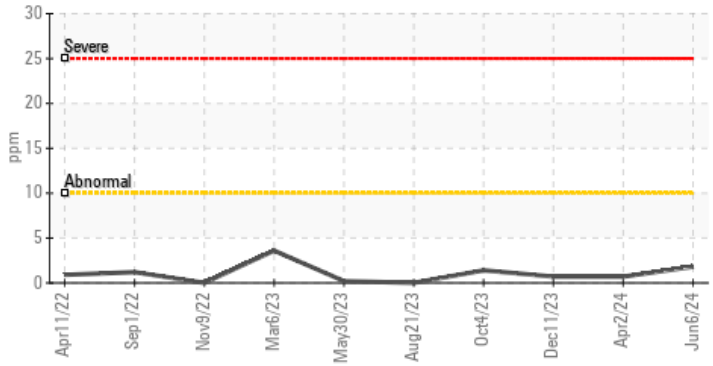
Iron (ppm)



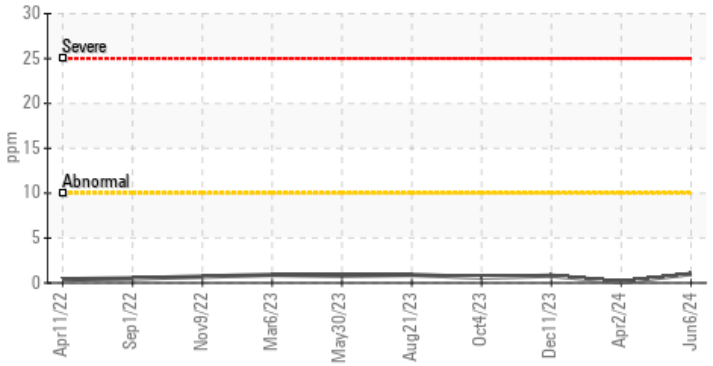
Lead (ppm)



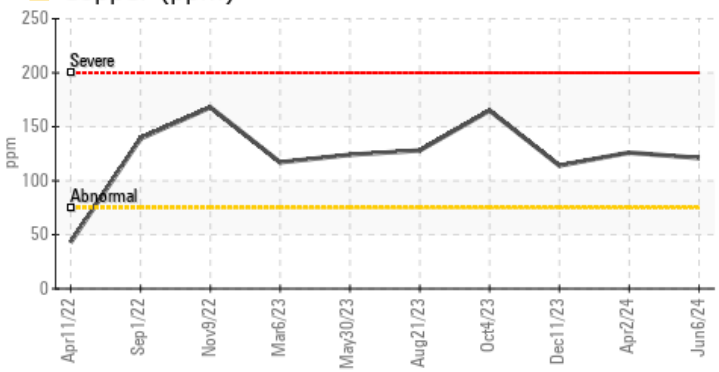
Aluminum (ppm)



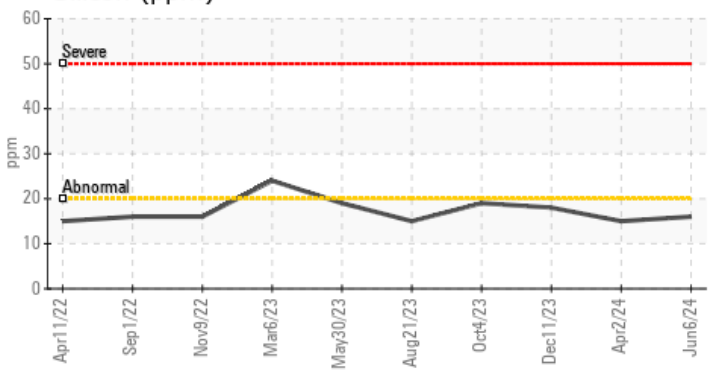
Chromium (ppm)



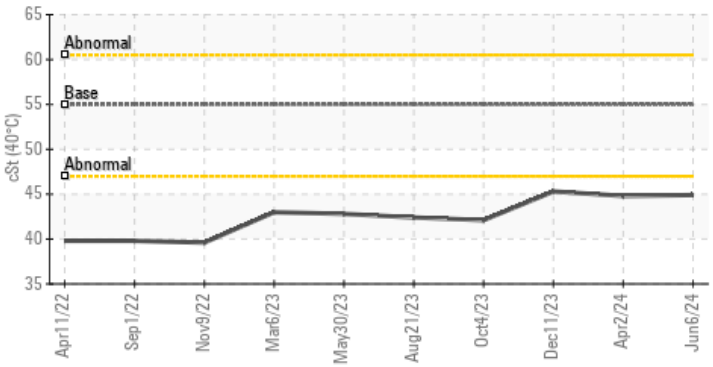
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives