CONSTRUCTION EQUIPMENT
VOLVO A40G 341476 - WET DISC BRAKE

Sample No: VCP435444
Oil Type: MOBIL MOBILFLUID 424
Job No:

SCHILDBERG CONSTRUCTION COMPANY
PO BOX 358
GREENFIELD, IA
US 50849
Contact: SCOTT ARMSTRONG
sarmstrong@schildberg.com
T: (641)743-8237
F: (641)743-2486

SAMPLE INFORMATION

Sample Number		**VCP435444**	VCP412431	VCP404730	VCP400078
Sample Date		**07 May 2024**	06 Feb 2024	24 Oct 2023	20 Jun 2023
Machine Hours		**18264**	17630	17166	16355
Oil Hours		**1098**	464	1871	1060
Oil Changed		**Not Changd**	Not Changd	Changed	Not Changd
Sample Status		**ABNORMAL**	NORMAL	NORMAL	NORMAL

OIL CONDITION

Visc @ 40°C	cSt	**53.0**	50.7	50.5	51.1

CONTAMINATION

Water	%	**NEG**	NEG	NEG	NEG
Silicon	ppm	**16**	14	14	14
Sodium	ppm	**4**	7	<1	7
Potassium	ppm	**3**	<1	2	0

WEAR METALS

Iron	ppm	▲ **24**	15	14	17
Copper	ppm	**84**	77	83	68
Lead	ppm	**1**	2	<1	0
Tin	ppm	**<1**	<1	0	0
Aluminum	ppm	**2**	2	<1	<1
Chromium	ppm	**<1**	0	<1	0
Molybdenum	ppm	**1**	<1	<1	<1
Nickel	ppm	**3**	3	3	2
Titanium	ppm	**<1**	0	0	<1
Silver	ppm	**<1**	0	0	0
Manganese	ppm	**1**	<1	0	<1
Vanadium	ppm	**<1**	0	0	0

ADDITIVES

Calcium	ppm	**3089**	3286	3138	3257
Magnesium	ppm	**13**	17	13	14
Zinc	ppm	**1308**	1414	1340	1369
Phosphorus	ppm	**1240**	1131	1176	1140
Barium	ppm	**0**	0	0	0
Boron	ppm	**95**	96	97	114

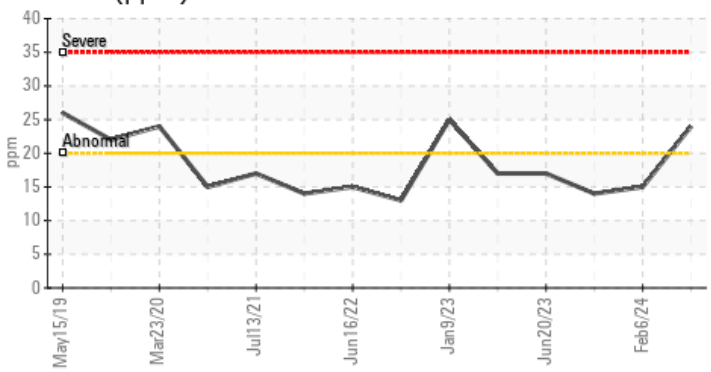
Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.The iron level is abnormal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

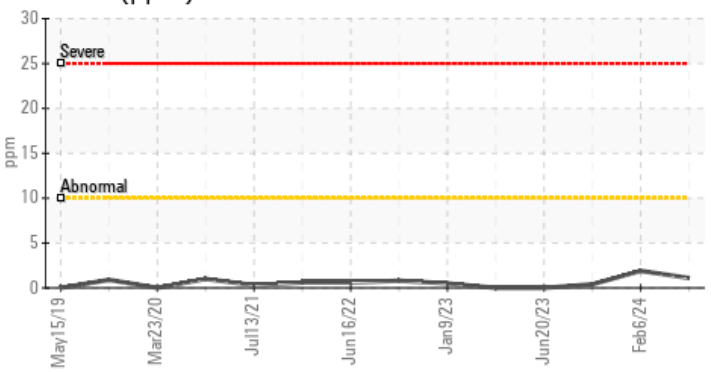
Depot: SCHGRE
Unique No: 11033051
Signed: Sean Felton
Report Date: 20 May 2024

GRAPHS

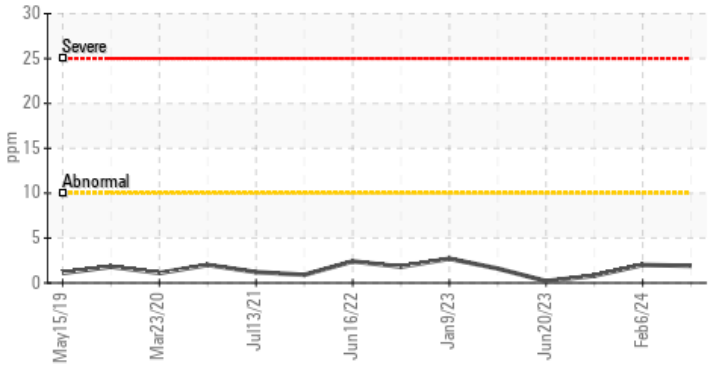
Iron (ppm)



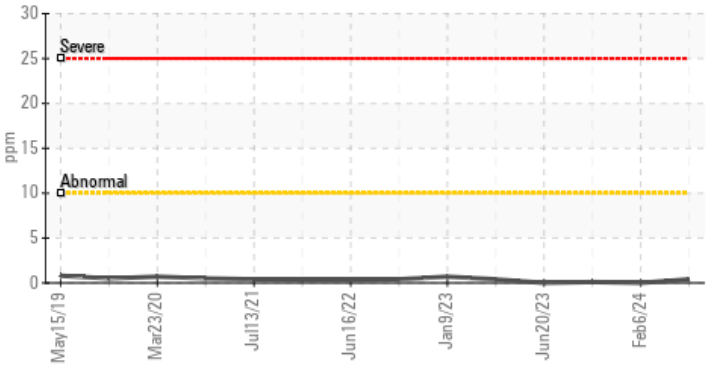
Lead (ppm)



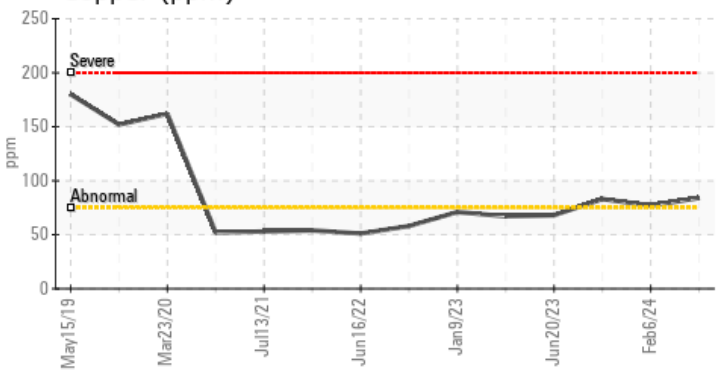
Aluminum (ppm)



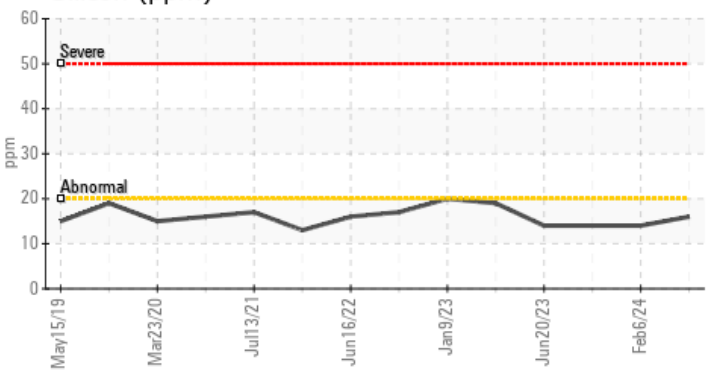
Chromium (ppm)



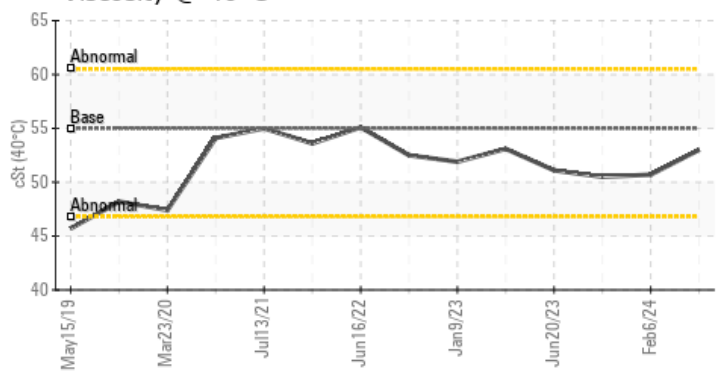
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives