



CONSTRUCTION EQUIPMENT

VOLVO A40G 342608 - WET DISC BRAKE



Sample No: VCP339689
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP339689	VCP405659	VCP400117	VCP385249
Sample Date	03 Oct 2023	21 Aug 2023	30 May 2023	06 Mar 2023
Machine Hours	10659	10330	9778	9160
Oil Hours	2155	1826	1274	656
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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



OIL CONDITION

Visc @ 40°C	cSt	49.6	49.8	56.2	50.6
-------------	-----	-------------	------	------	------



CONTAMINATION

Silicon	ppm	15	14	16	19
Sodium	ppm	2	5	5	5
Potassium	ppm	2	<1	0	<1



WEAR METALS

Iron	ppm	17	16	16	17
Copper	ppm	60	47	46	46
Lead	ppm	<1	0	0	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	1	<1	0	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	3	2	2	2
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3305	3213	3334	3424
Magnesium	ppm	13	16	16	17
Zinc	ppm	1400	1323	1450	1412
Phosphorus	ppm	1118	1086	1180	1155
Barium	ppm	0	0	0	0
Boron	ppm	113	124	123	112

Diagnosis

Resample at the next service interval to monitor. All 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: 10701226
Signed: Sean Felton
Report Date: 23 Oct 2023

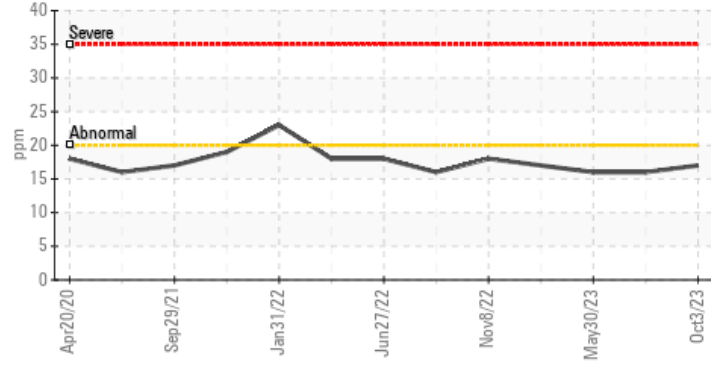


CONSTRUCTION EQUIPMENT

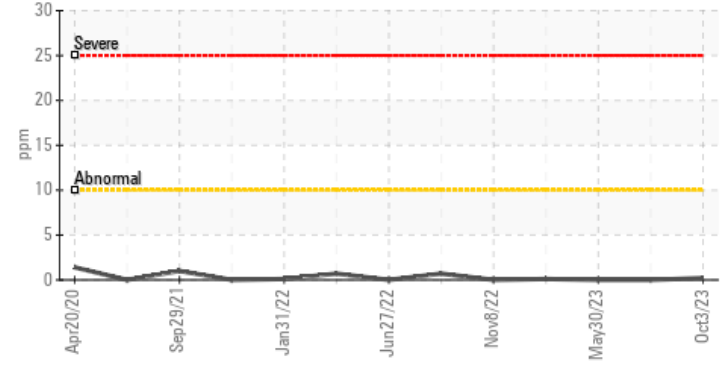


GRAPHS

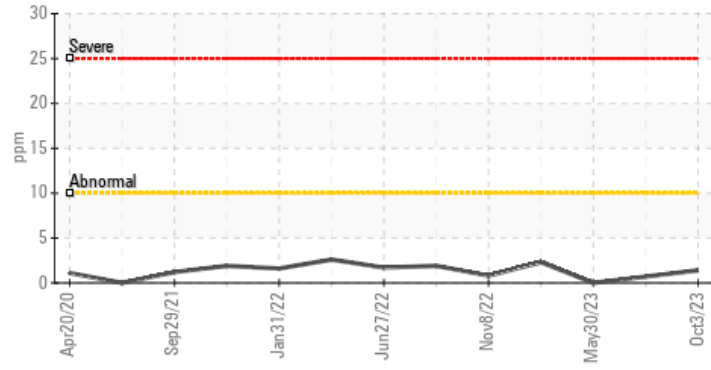
Iron (ppm)



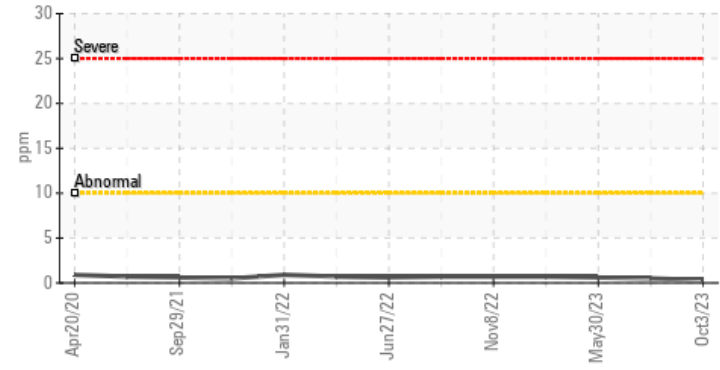
Lead (ppm)



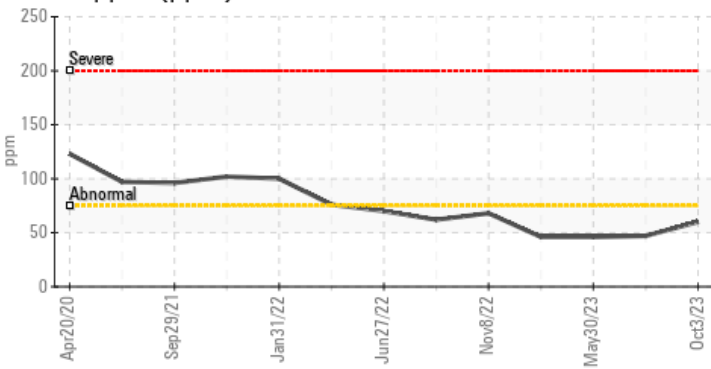
Aluminum (ppm)



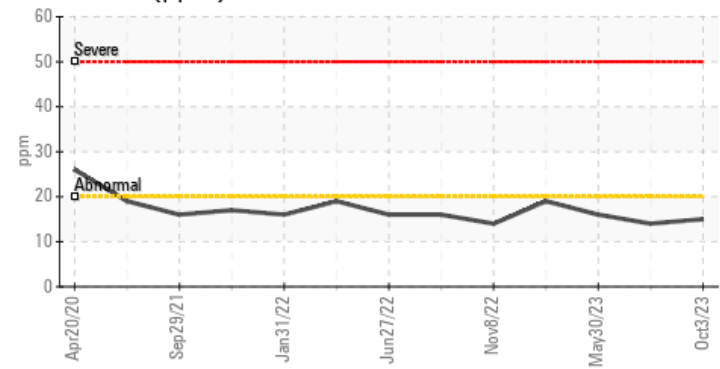
Chromium (ppm)



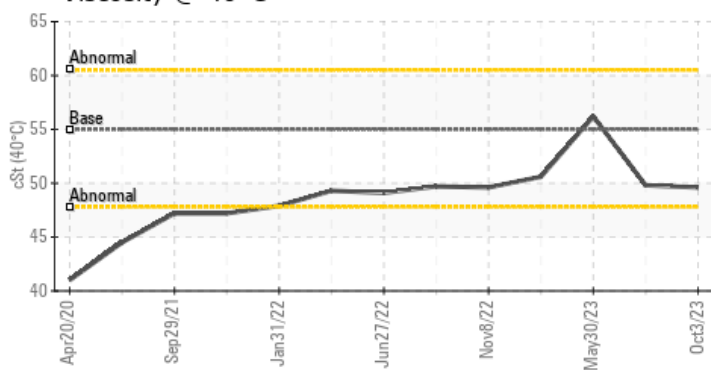
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

