



CONSTRUCTION EQUIPMENT

VOLVO A40D 70322 - WET DISC BRAKE



Sample No: VCP385219
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP385219	VCP373501	VCP373806	VCP359597
Sample Date	01 Aug 2023	27 Mar 2023	09 Jan 2023	26 Oct 2022
Machine Hours	26925	26356	25934	14400
Oil Hours	991	422	2168	1857
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
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	51.7	52.2	52.8	53.0
-------------	-----	-------------	------	------	------



CONTAMINATION

Silicon	ppm	20	18	19	16
Sodium	ppm	<1	4	6	9
Potassium	ppm	2	0	2	0

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.



WEAR METALS

Iron	ppm	8	8	18	10
Copper	ppm	22	11	28	27
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	1	2	1
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	3641	3357	3801	3759
Magnesium	ppm	17	17	21	10
Zinc	ppm	1395	1259	1466	1449
Phosphorus	ppm	1172	1025	1166	1167
Barium	ppm	0	0	1	0
Boron	ppm	137	112	133	116

Depot: SCHGRE
Unique No: 10617691
Signed: Jonathan Hester
Report Date: 25 Aug 2023

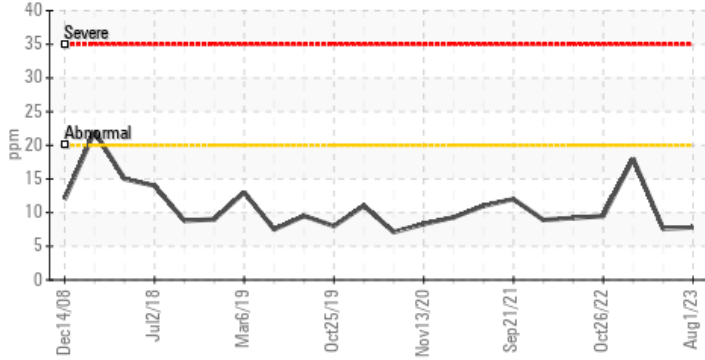


CONSTRUCTION EQUIPMENT

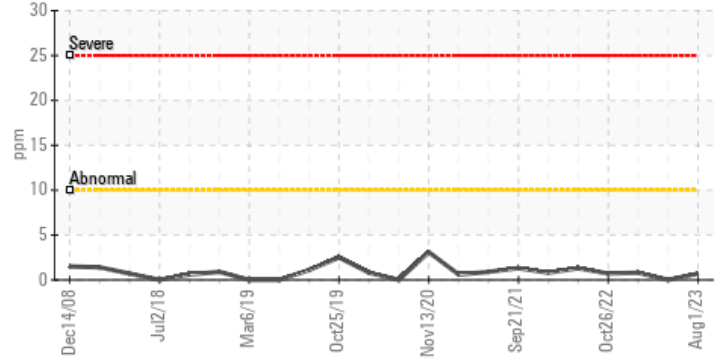


GRAPHS

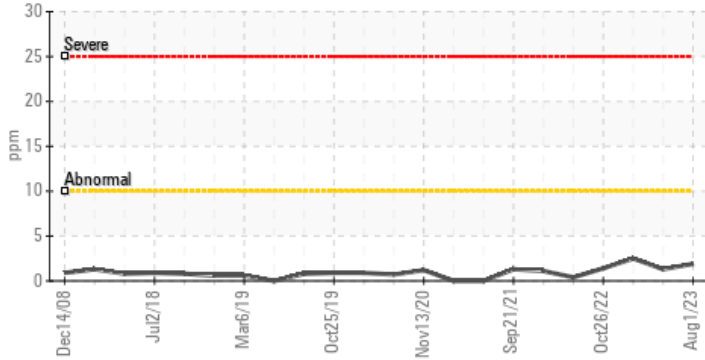
Iron (ppm)



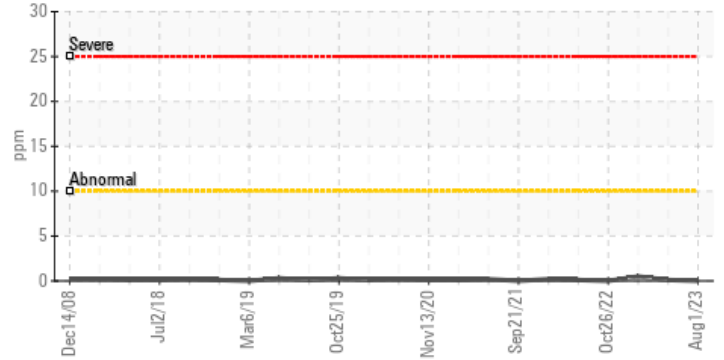
Lead (ppm)



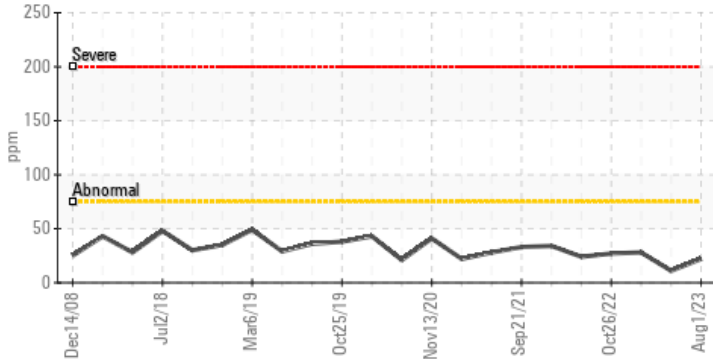
Aluminum (ppm)



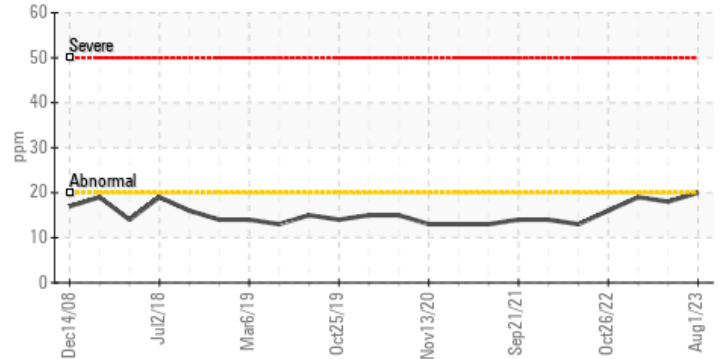
Chromium (ppm)



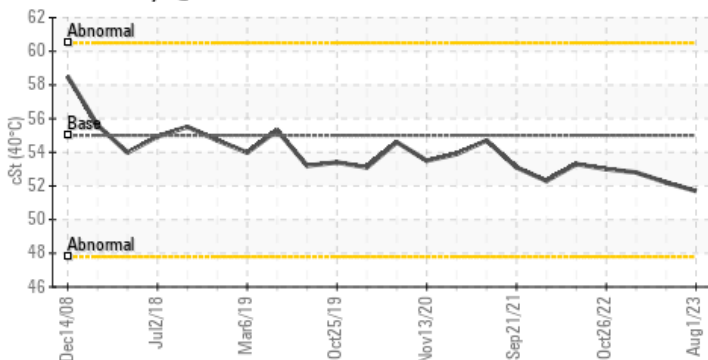
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

