



CONSTRUCTION EQUIPMENT

2862 VOLVO A40G 352351 - WET DISC BRAKE



Sample No: VCP406469
Oil Type: MOBIL MOBILFLUID 424
Job No: 2862



SAMPLE INFORMATION

Sample Number	VCP406469	VCP398287	VCP378848	VCP362745
Sample Date	13 Jul 2023	27 Apr 2023	16 Jan 2023	12 Oct 2022
Machine Hours	6886	6384	5717	5210
Oil Hours	1169	607	2134	1627
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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	45.4	45.6	44.7	42.9
-------------	-----	-------------	------	------	------

CONTAMINATION

Silicon	ppm	16	17	17	15
Sodium	ppm	7	7	9	4
Potassium	ppm	1	0	0	2

WEAR METALS

Iron	ppm	24	19	28	19
Copper	ppm	97	99	150	152
Lead	ppm	2	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	1	1
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	4	4	5	2
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	3060	3213	3281	3295
Magnesium	ppm	16	16	13	10
Zinc	ppm	1323	1407	1354	1430
Phosphorus	ppm	1115	1180	1166	1219
Barium	ppm	0	0	0	1
Boron	ppm	107	95	110	100

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. The copper 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: 10586849
Signed: Don Baldrige
Report Date: 04 Aug 2023

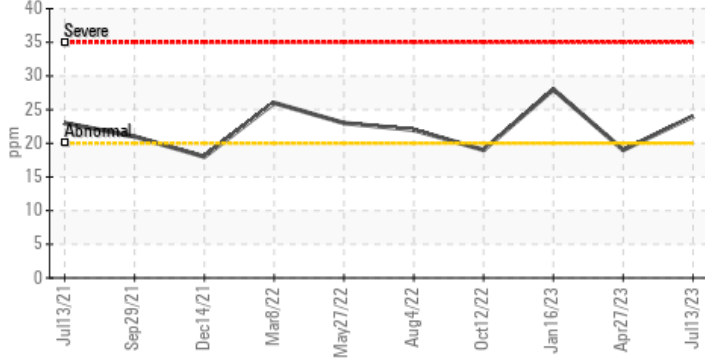


CONSTRUCTION EQUIPMENT

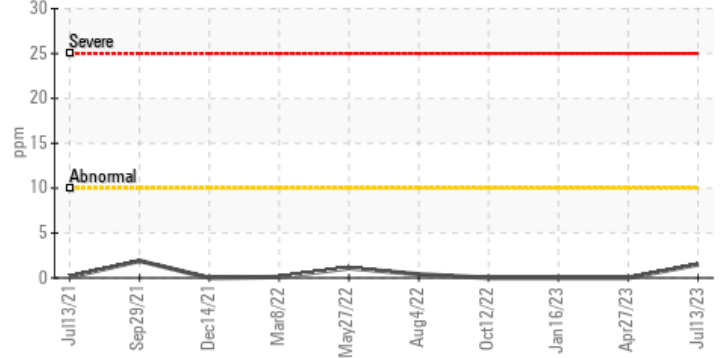


GRAPHS

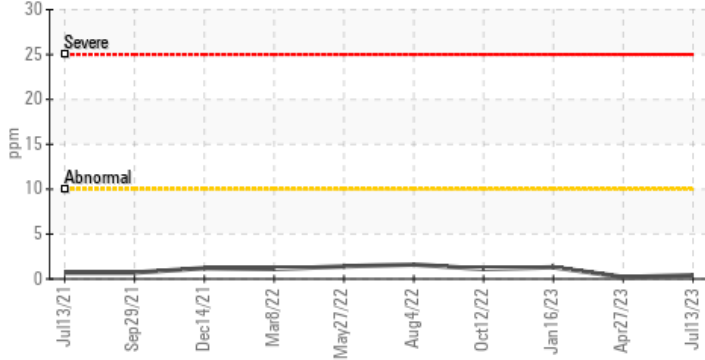
▲ Iron (ppm)



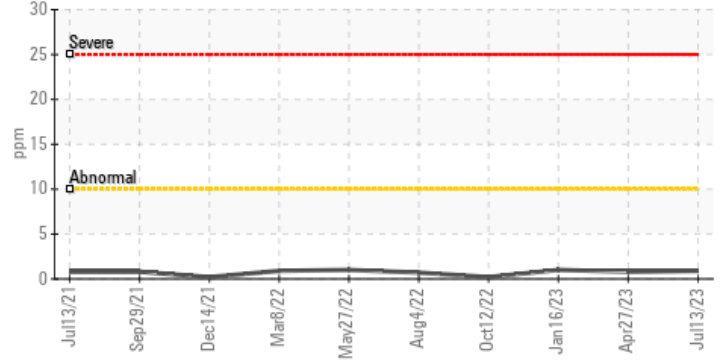
Lead (ppm)



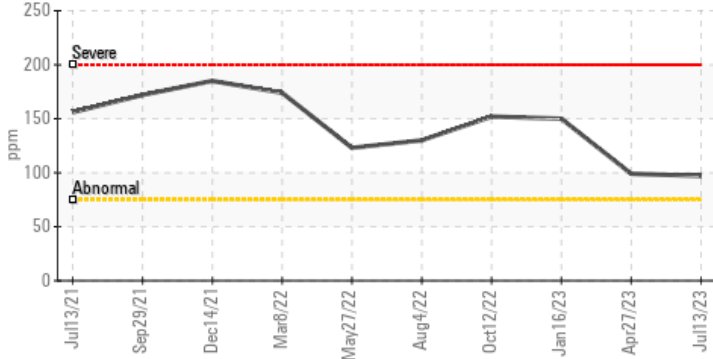
Aluminum (ppm)



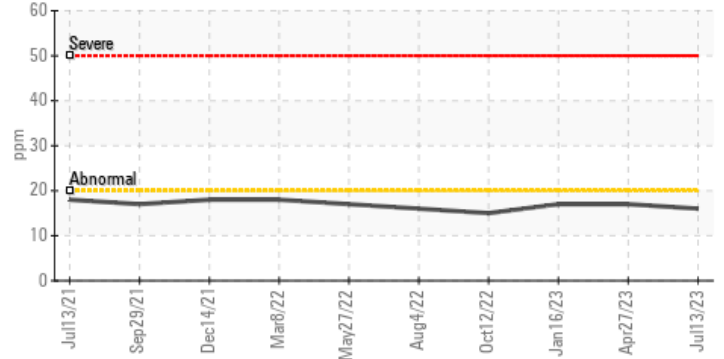
Chromium (ppm)



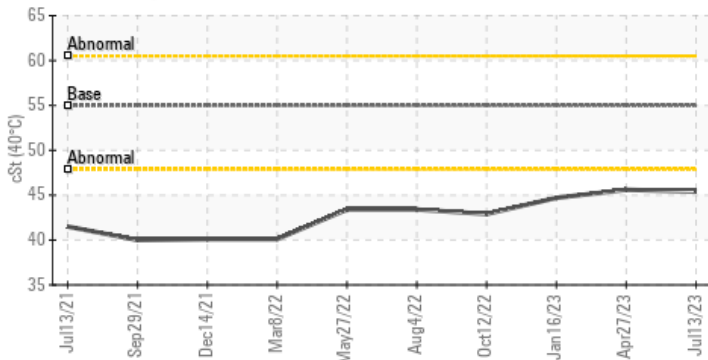
▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

