



CONSTRUCTION EQUIPMENT

2801 VOLVO A40G 342373 - WET DISC BRAKE



Sample No: VCP400063
Oil Type: MOBIL MOBILFLUID 424
Job No: 2801



SAMPLE INFORMATION

Sample Number	VCP400063	VCP404854	VCP385072	VCP366920
Sample Date	19 Jul 2023	02 May 2023	13 Feb 2023	31 Oct 2022
Machine Hours	11379	10860	10345	9831
Oil Hours	1034	515	2115	1601
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	49.3	48.7	47.2	46.6
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CONTAMINATION

Silicon	ppm	16	16	16	14
Sodium	ppm	6	6	8	7
Potassium	ppm	0	0	0	0



WEAR METALS

Iron	ppm	24	22	32	27
Copper	ppm	118	121	172	181
Lead	ppm	1	0	1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	<1	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	4	3	5	4
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	1	2	1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	2914	3138	3116	2910
Magnesium	ppm	15	15	17	10
Zinc	ppm	1249	1359	1241	1232
Phosphorus	ppm	1072	1141	1072	1126
Barium	ppm	0	0	0	0
Boron	ppm	103	90	103	104

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: 10586824
Signed: Don Baldrige
Report Date: 04 Aug 2023

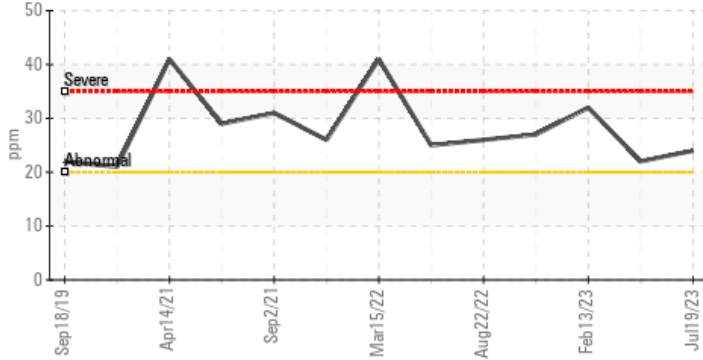


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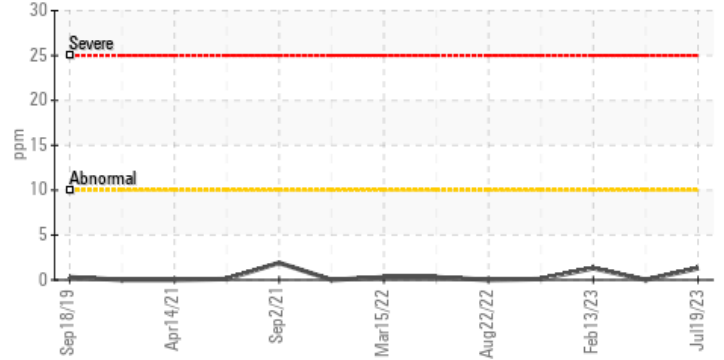


GRAPHS

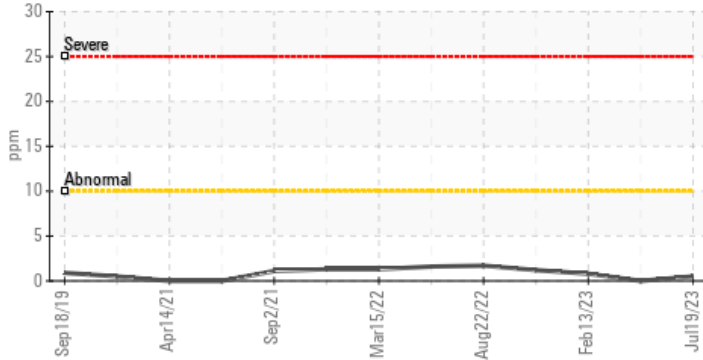
▲ Iron (ppm)



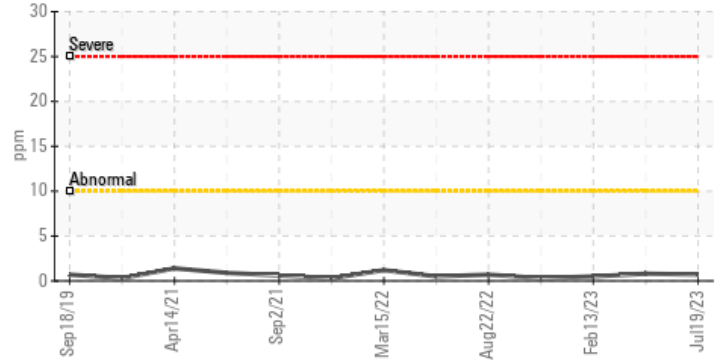
Lead (ppm)



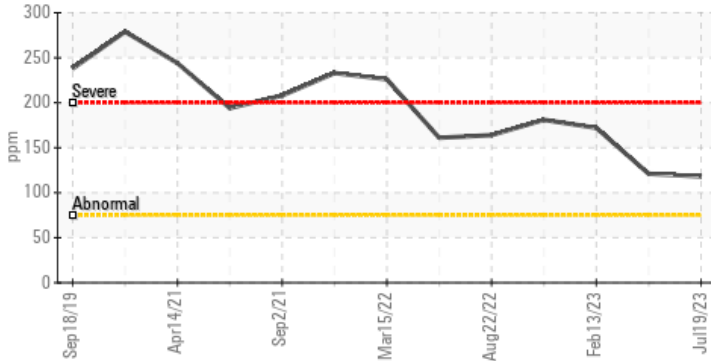
Aluminum (ppm)



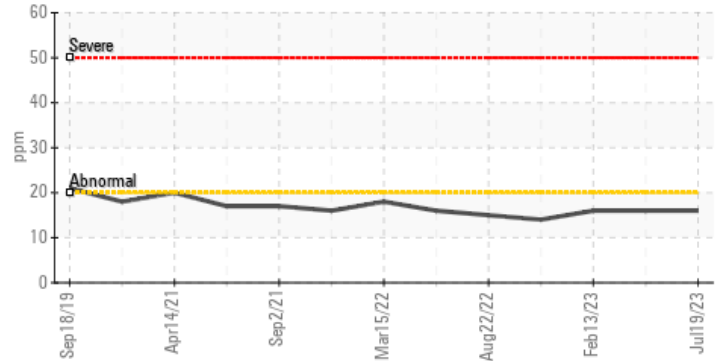
Chromium (ppm)



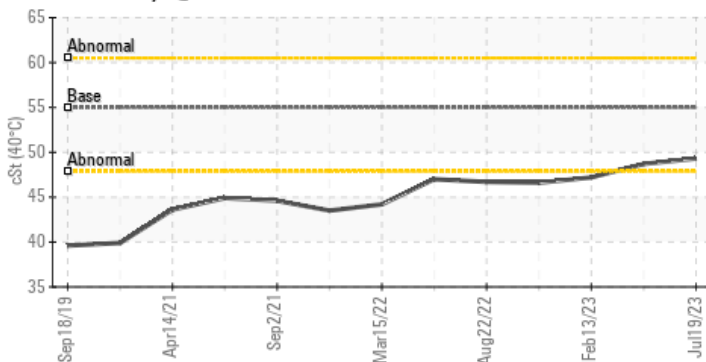
▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

