



CONSTRUCTION EQUIPMENT

2863 VOLVO A40G 352341 - WET DISC BRAKE



Sample No: VCP406464
Oil Type: MOBIL MOBILFLUID 424
Job No: 2863



SAMPLE INFORMATION

Sample Number	VCP406464	VCP395615	VCP378247	VCP377240
Sample Date	13 Jul 2023	27 Apr 2023	16 Jan 2023	01 Sep 2022
Machine Hours	5997	5474	4807	4017
Oil Hours	1980	1457	790	2152
Oil Changed	Changed	Not Changd	Not Changd	Changed
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.6	42.6	44.9	39.5
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CONTAMINATION

Silicon	ppm	15	17	20	18
Sodium	ppm	7	7	8	8
Potassium	ppm	<1	0	0	2



WEAR METALS

Iron	ppm	23	22	28	25
Copper	ppm	110	115	126	153
Lead	ppm	2	0	0	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	0	0	1	1
Chromium	ppm	1	<1	1	<1
Molybdenum	ppm	<1	<1	<1	0
Nickel	ppm	5	5	5	4
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	1	1	1	1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	2979	3326	3506	3282
Magnesium	ppm	13	15	14	9
Zinc	ppm	1295	1495	1392	1497
Phosphorus	ppm	1090	1231	1158	1263
Barium	ppm	0	0	0	0
Boron	ppm	107	98	118	114

Diagnosis

The oil change at the time of sampling has been noted. 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 a moderate amount of visible silt present in the sample. The condition of the oil is acceptable for the time in service.

Depot: SCHGRE
Unique No: 10586808
Signed: Don Baldrige
Report Date: 04 Aug 2023

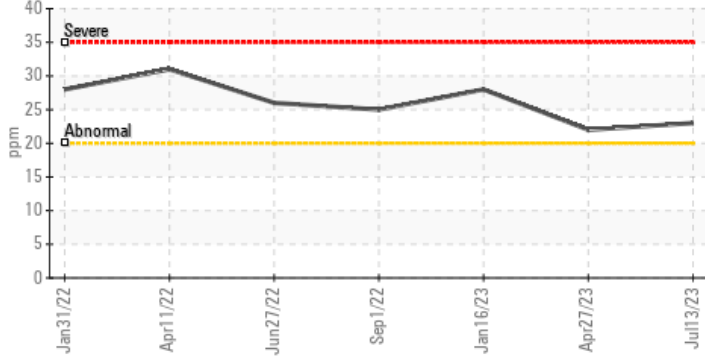


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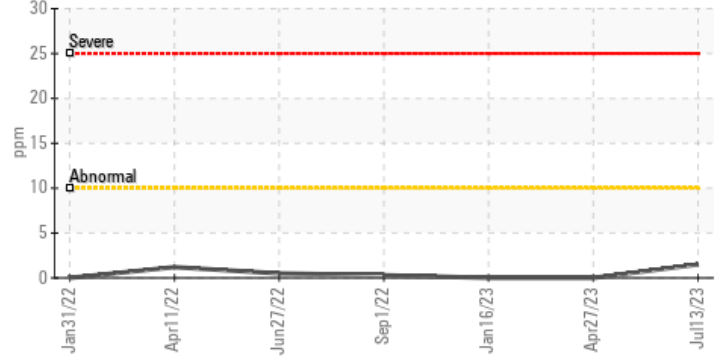


GRAPHS

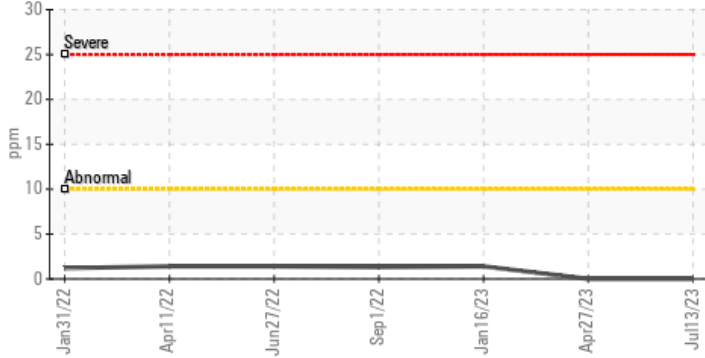
▲ Iron (ppm)



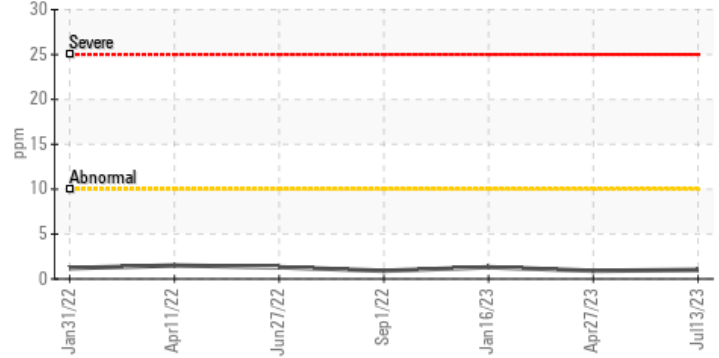
Lead (ppm)



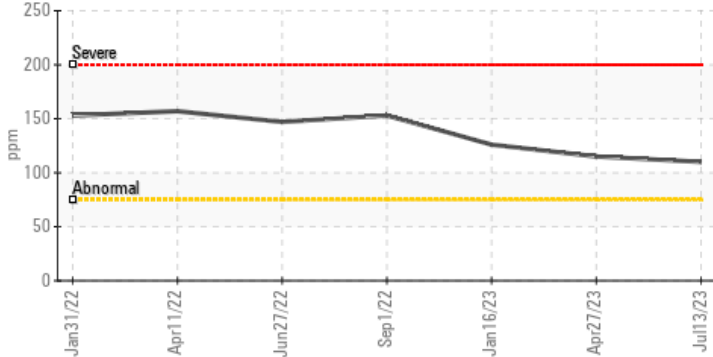
Aluminum (ppm)



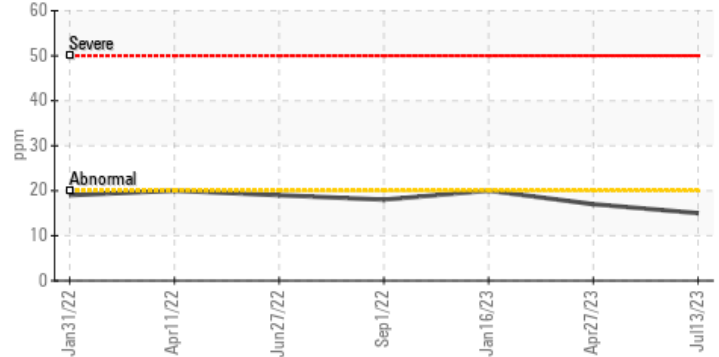
Chromium (ppm)



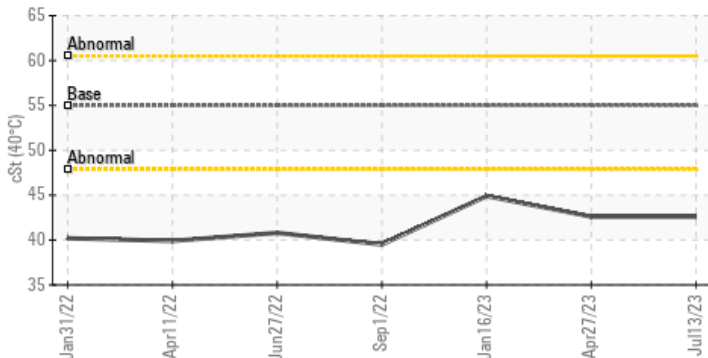
▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

