



CONSTRUCTION EQUIPMENT

VOLVO A40G 352351 - WET DISC BRAKE



Sample No: VCP339688
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP339688	VCP406469	VCP398287	VCP378848
Sample Date	03 Oct 2023	13 Jul 2023	27 Apr 2023	16 Jan 2023
Machine Hours	7502	6886	6384	5717
Oil Hours	1785	1169	607	2134
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	44.7	45.4	45.6	44.7
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CONTAMINATION

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



WEAR METALS

Iron	ppm	22	24	19	28
Copper	ppm	121	97	99	150
Lead	ppm	0	2	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	5	4	4	5
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	<1	1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	3202	3060	3213	3281
Magnesium	ppm	11	16	16	13
Zinc	ppm	1408	1323	1407	1354
Phosphorus	ppm	1160	1115	1180	1166
Barium	ppm	0	0	0	0
Boron	ppm	110	107	95	110

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other 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: 10701218
Signed: Don Baldrige
Report Date: 21 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

