



CONSTRUCTION EQUIPMENT

VOLVO A40G 352351 - WET DISC BRAKE



Sample No: VCP331551
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP331551	VCP339688	VCP406469	VCP398287
Sample Date	07 Nov 2023	03 Oct 2023	13 Jul 2023	27 Apr 2023
Machine Hours	7750	7502	6886	6384
Oil Hours	2033	1785	1169	607
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	44.3	44.7	45.4	45.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	16	17	16	17
Sodium	ppm	7	4	7	7
Potassium	ppm	0	2	1	0

Diagnosis

No corrective action is recommended at this time. Oil and 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.



WEAR METALS

Iron	ppm	19	22	24	19
Copper	ppm	105	121	97	99
Lead	ppm	1	0	2	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	1	<1	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	4	5	4	4
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	2975	3202	3060	3213
Magnesium	ppm	11	11	16	16
Zinc	ppm	1378	1408	1323	1407
Phosphorus	ppm	1175	1160	1115	1180
Barium	ppm	0	0	0	0
Boron	ppm	99	110	107	95

Depot: SCHGRE
Unique No: 10755940
Signed: Sean Felton
Report Date: 28 Nov 2023



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GRAPHS

