



CONSTRUCTION EQUIPMENT

VOLVO A40G 342658 - WET DISC BRAKE



Sample No: VCP339686
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP339686	VCP402333	VCP385244	VCP359579
Sample Date	03 Oct 2023	13 Jul 2023	06 Mar 2023	08 Nov 2022
Machine Hours	9447	8893	8373	7751
Oil Hours	2158	1604	1084	462
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	46.6	46.9	47.2	47.2
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CONTAMINATION

Silicon	ppm	16	15	21	16
Sodium	ppm	2	6	7	4
Potassium	ppm	2	<1	0	1

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. 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	21	21	26	22
Copper	ppm	106	83	92	86
Lead	ppm	0	1	0	0
Tin	ppm	0	<1	<1	0
Aluminum	ppm	1	<1	2	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	4	4	4	2
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	3331	3117	3595	3482
Magnesium	ppm	11	16	17	13
Zinc	ppm	1432	1315	1469	1456
Phosphorus	ppm	1175	1090	1230	1174
Barium	ppm	0	0	0	0
Boron	ppm	115	111	123	107

Depot: SCHGRE
Unique No: 10701231
Signed: Sean Felton
Report Date: 23 Oct 2023



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GRAPHS

