



CONSTRUCTION EQUIPMENT

VOLVO A40G 341127 - WET DISC BRAKE



Sample No: VCP404501
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP404501	VCP398296	VCP359599	VCP377237
Sample Date	24 Oct 2023	27 Apr 2023	16 Jan 2023	06 Sep 2022
Machine Hours	13756	12838	12357	11781
Oil Hours	1399	481	2078	1502
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	49.5	50.5	49.3	49.6
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CONTAMINATION

Silicon	ppm	13	13	11	13
Sodium	ppm	0	5	5	2
Potassium	ppm	2	0	0	0

Diagnosis

Resample at the next service interval to monitor. All 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	18	17	20	20
Copper	ppm	85	64	94	87
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	1	<1	1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3166	3122	3046	3162
Magnesium	ppm	11	15	12	12
Zinc	ppm	1358	1348	1259	1304
Phosphorus	ppm	1203	1122	1074	1121
Barium	ppm	0	0	0	0
Boron	ppm	100	90	98	93

Depot: SCHGRE
Unique No: 10724402
Signed: Don Baldrige
Report Date: 03 Nov 2023



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VOLVO GRAPHS

