



CONSTRUCTION EQUIPMENT

VOLVO A40G 342253 - WET DISC BRAKE



Sample No: VCP441985
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP441985	VCP442854	VCP392532	VCP402325
Sample Date	05 Feb 2024	06 Dec 2023	25 Sep 2023	19 Jul 2023
Machine Hours	11196	10949	10423	9967
Oil Hours	2150	1903	1377	921
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	48.0	46.6	47.0	47.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	17	15	14	14
Sodium	ppm	0	3	0	4
Potassium	ppm	1	0	1	<1

Diagnosis

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	21	20	17	15
Copper	ppm	123	110	104	86
Lead	ppm	0	2	<1	1
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	2	0	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	3	2	3	2
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	2834	2743	2674	2682
Magnesium	ppm	13	0	10	15
Zinc	ppm	1296	1110	1234	1193
Phosphorus	ppm	1277	1118	1096	1032
Barium	ppm	12	0	1	0
Boron	ppm	86	98	79	93

Depot: SCHGRE
Unique No: 10876592
Signed: Jonathan Hester
Report Date: 16 Feb 2024



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VOLVO GRAPHS

