



CONSTRUCTION EQUIPMENT

VOLVO A40G 342253 - WET DISC BRAKE



Sample No: VCP443425
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP443425	VCP441985	VCP442854	VCP392532
Sample Date	19 Apr 2024	05 Feb 2024	06 Dec 2023	25 Sep 2023
Machine Hours	11686	11196	10949	10423
Oil Hours	490	2150	1903	1377
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	48.2	48.0	46.6	47.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	14	17	15	14
Sodium	ppm	<1	0	3	0
Potassium	ppm	2	1	0	1

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level has decreased, but is still 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	15	21	20	17
Copper	ppm	86	123	110	104
Lead	ppm	<1	0	2	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	2	2	0
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	1	<1	<1	<1
Nickel	ppm	2	3	2	3
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	2894	2834	2743	2674
Magnesium	ppm	12	13	0	10
Zinc	ppm	1255	1296	1110	1234
Phosphorus	ppm	1201	1277	1118	1096
Barium	ppm	0	12	0	1
Boron	ppm	107	86	98	79

Depot: SCHGRE
Unique No: 11009501
Signed: Don Baldrige
Report Date: 07 May 2024



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GRAPHS

