



CONSTRUCTION EQUIPMENT

VOLVO A40G 342252 - WET DISC BRAKE



Sample No: VCP396801
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP396801	VCP440661	VCP396953	VCP393301
Sample Date	11 Mar 2024	29 Nov 2023	25 Sep 2023	29 Aug 2023
Machine Hours	11973	11431	11035	10867
Oil Hours	938	396	1952	1784
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	48.9	49.4	47.9	47.8
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	25	23	27	27
Sodium	ppm	2	3	<1	1
Potassium	ppm	2	0	2	2

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron 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	101	95	87	106
Copper	ppm	177	158	217	215
Lead	ppm	<1	3	<1	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	6	4	0	0
Chromium	ppm	1	<1	<1	<1
Molybdenum	ppm	1	1	<1	<1
Nickel	ppm	3	2	4	4
Titanium	ppm	1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	1	2
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	3378	3291	3018	3123
Magnesium	ppm	17	0	13	13
Zinc	ppm	1336	1215	1304	1316
Phosphorus	ppm	1064	1131	1139	1144
Barium	ppm	0	0	1	1
Boron	ppm	91	124	85	89

Depot: SCHGRE
Unique No: 10938193
Signed: Don Baldrige
Report Date: 22 Mar 2024

VOLVO **GRAPHS**

