



CONSTRUCTION EQUIPMENT

2863 VOLVO A40G 352341 - WET DISC BRAKE



Sample No: VCP331581
Oil Type: MOBIL MOBILFLUID 424
Job No: 2863



SAMPLE INFORMATION

Sample Number	VCP331581	VCP312547	VCP406464	VCP395615
Sample Date	11 Dec 2023	03 Oct 2023	13 Jul 2023	27 Apr 2023
Machine Hours	7087	6606	5997	5474
Oil Hours	1090	609	1980	1457
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	44.9	44.9	42.6	42.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	█ 16	█ 17	█ 15	█ 17
Sodium	ppm	█ 5	█ 4	█ 7	█ 7
Potassium	ppm	█ <1	█ 1	█ <1	█ 0

Diagnosis

No corrective action is recommended at this time. 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	█ 19	▲ 26	▲ 23	▲ 22
Copper	ppm	▲ 99	▲ 106	▲ 110	▲ 115
Lead	ppm	█ 0	█ 0	█ 2	█ 0
Tin	ppm	█ 0	█ 0	█ 0	█ 0
Aluminum	ppm	█ <1	█ 1	█ 0	█ 0
Chromium	ppm	█ <1	█ <1	█ 1	█ <1
Molybdenum	ppm	█ 0	█ <1	█ <1	█ <1
Nickel	ppm	█ 4	█ 5	█ 5	█ 5
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	█ <1	█ <1	█ 1	█ 1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	█ 3323	█ 3410	█ 2979	█ 3326
Magnesium	ppm	█ 14	█ 12	█ 13	█ 15
Zinc	ppm	█ 1433	█ 1474	█ 1295	█ 1495
Phosphorus	ppm	█ 1175	█ 1201	█ 1090	█ 1231
Barium	ppm	█ 0	█ 0	█ 0	█ 0
Boron	ppm	█ 104	█ 119	█ 107	█ 98

Depot: SCHGRE
Unique No: 10807037
Signed: Don Baldrige
Report Date: 28 Dec 2023



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VOLVO GRAPHS

