



CONSTRUCTION EQUIPMENT

VOLVO A40G 352 198 - WET DISC BRAKE



Sample No: VCP447493
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP447493	VCP435154	VCP378557	VCP312687
Sample Date	07 Jun 2024	02 Apr 2024	14 Dec 2023	06 Sep 2023
Machine Hours	5957	5479	4956	4393
Oil Hours	2059	1581	1058	495
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	42.5	44.2	42.9	42.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	█ 20	█ 17	█ 18	█ 15
Sodium	ppm	█ 5	█ 8	█ 5	█ 5
Potassium	ppm	█ 2	█ <1	█ <1	█ 2

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	█ 22	▲ 41	█ 19	█ 16
Copper	ppm	▲ 192	▲ 205	▲ 181	▲ 174
Lead	ppm	█ 0	█ 0	█ 0	█ <1
Tin	ppm	█ 0	█ 3	█ <1	█ 0
Aluminum	ppm	█ 2	█ 1	█ 1	█ 3
Chromium	ppm	█ <1	█ <1	█ <1	█ <1
Molybdenum	ppm	█ <1	█ <1	█ 0	█ <1
Nickel	ppm	█ 5	█ 4	█ 4	█ 5
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	█ <1	█ 2	█ 1	█ <1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	█ 3241	█ 3241	█ 3404	█ 3327
Magnesium	ppm	█ 10	█ 10	█ 12	█ 10
Zinc	ppm	█ 1431	█ 1441	█ 1466	█ 1534
Phosphorus	ppm	█ 1264	█ 1331	█ 1222	█ 1235
Barium	ppm	█ <1	█ 0	█ 0	█ 0
Boron	ppm	█ 109	█ 133	█ 107	█ 125

Depot: SCHGRE
Unique No: 11085028
Signed: Don Baldrige
Report Date: 19 Jun 2024



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GRAPHS

