



CONSTRUCTION EQUIPMENT

2932 VOLVO A40G 352198 - WET DISC BRAKE



Sample No: VCP378557
Oil Type: MOBIL MOBILFLUID 424
Job No: 2932



SAMPLE INFORMATION

Sample Number	VCP378557	VCP312687	VCP405993	---
Sample Date	14 Dec 2023	06 Sep 2023	19 Jun 2023	---
Machine Hours	4956	4393	3898	---
Oil Hours	1058	495	239	---
Oil Changed	Not Chngd	Not Chngd	Changed	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	42.9	42.5	40.0	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	18	15	17	---
Sodium	ppm	5	5	7	---
Potassium	ppm	<1	2	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	16	21	---
Copper	ppm	181	174	211	---
Lead	ppm	0	<1	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	1	3	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	0	<1	0	---
Nickel	ppm	4	5	5	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	1	<1	1	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	3404	3327	3572	---
Magnesium	ppm	12	10	8	---
Zinc	ppm	1466	1534	1526	---
Phosphorus	ppm	1222	1235	1279	---
Barium	ppm	0	0	0	---
Boron	ppm	107	125	132	---

Depot: SCHGRE
Unique No: 10807032
Signed: Don Baldrige
Report Date: 28 Dec 2023



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GRAPHS

