



CONSTRUCTION EQUIPMENT

687753 VOLVO A40G 3525 13 - BRAKE COOLING SYSTEM



Sample No: VCP445391
Oil Type: VOLVO WB 102
Job No: 687753



SAMPLE INFORMATION

Sample Number	VCP445391	VCP422950	VCP390674	VCP360246
Sample Date	14 Mar 2024	31 Jul 2023	26 Sep 2022	16 Mar 2022
Machine Hours	6161	5166	3603	2597
Oil Hours	2000	5166	500	1597
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
rturner@ripatampa.com



OIL CONDITION

Visc @ 40°C	cSt	43.8	40.9	39.7	42.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	15	17	18	18
Sodium	ppm	5	6	8	11
Potassium	ppm	0	1	1	<1



WEAR METALS

Iron	ppm	17	20	19	19
Copper	ppm	105	165	▲ 193	▲ 165
Lead	ppm	2	<1	0	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	1	2	2	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	1	<1	<1	<1
Nickel	ppm	2	6	5	6
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	1	1	1	1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	4103	3389	3275	3656
Magnesium	ppm	24	10	7	12
Zinc	ppm	1729	1431	1411	1536
Phosphorus	ppm	1406	1285	1253	1380
Barium	ppm	0	1	0	0
Boron	ppm	117	127	126	111

T:
F:

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: RIPTAM
Unique No: 10976321
Signed: Don Baldrige
Report Date: 15 Apr 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

