



CONSTRUCTION EQUIPMENT

567604 VOLVO A40G 342177 - BRAKE COOLING SYSTEM



Sample No: VCP425843
Oil Type: VOLVO WB 102
Job No: 567604



SAMPLE INFORMATION

Sample Number	VCP425843	VCP358216	VCP331633	VCP318863
Sample Date	29 Jun 2023	19 Sep 2022	02 Mar 2022	31 Aug 2021
Machine Hours	10619	9334	8227	7246
Oil Hours	2000	500	1500	3000
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	ATTENTION	ATTENTION	ABNORMAL	ABNORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
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OIL CONDITION

Visc @ 40°C	cSt	44.3	42.3	42.4	42.2
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CONTAMINATION

Silicon	ppm	12	4	15	16
Sodium	ppm	2	3	3	5
Potassium	ppm	0	0	2	3



WEAR METALS

Iron	ppm	18	14	25	21
Copper	ppm	88	5	290	268
Lead	ppm	0	2	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	2	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	0
Nickel	ppm	<1	0	5	7
Titanium	ppm	0	0	0	<1
Silver	ppm	0	2	0	0
Manganese	ppm	<1	<1	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3999	84	3345	3379
Magnesium	ppm	13	3	7	6
Zinc	ppm	1633	444	1443	1383
Phosphorus	ppm	1332	364	1374	1243
Barium	ppm	0	0	0	0
Boron	ppm	147	<1	110	117

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. An increase in the copper level is noted. All other 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: 10574640
Signed: Sean Felton
Report Date: 28 Jul 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

