



CONSTRUCTION EQUIPMENT

729036 VOLVO A40G 342177 - BRAKE COOLING SYSTEM



Sample No: VCP443024
Oil Type: VOLVO WB 102
Job No: 729036



SAMPLE INFORMATION

Sample Number	VCP443024	VCP425843	VCP358216	VCP331633
Sample Date	06 Jun 2024	29 Jun 2023	19 Sep 2022	02 Mar 2022
Machine Hours	11658	10619	9334	8227
Oil Hours	3000	2000	500	1500
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	ABNORMAL	ATTENTION	ATTENTION	ABNORMAL

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	43.5	44.3	42.3	42.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	14	12	4	15
Sodium	ppm	5	2	3	3
Potassium	ppm	2	0	0	2



WEAR METALS

Iron	ppm	20	18	14	25
Copper	ppm	234	88	5	290
Lead	ppm	0	0	2	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	1	2	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	2	<1	0	5
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	2	0
Manganese	ppm	1	<1	<1	1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3891	3999	84	3345
Magnesium	ppm	13	13	3	7
Zinc	ppm	1589	1633	444	1443
Phosphorus	ppm	1359	1332	364	1374
Barium	ppm	0	0	0	0
Boron	ppm	134	147	<1	110

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. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: RIPTAM
Unique No: 11127023
Signed: Sean Felton
Report Date: 18 Jul 2024



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GRAPHS

