



CONSTRUCTION EQUIPMENT

VOLVO A30G 742023 - BRAKE COOLING SYSTEM



Sample No: VCP439703
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP439703	VCP414737	VCP359384	VCP04969342
Sample Date	01 Apr 2024	11 Sep 2023	20 Apr 2022	26 Mar 2020
Machine Hours	9289	8246	6218	4300
Oil Hours	0	4000	2000	0
Oil Changed	Not Chngd	Changed	Not Chngd	N/A
Sample Status	NORMAL	NORMAL	ABNORMAL	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	44.7	44.5	44.9	42.5
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CONTAMINATION

Water	%	NEG	NEG	▲ 0.238	NEG
Silicon	ppm	8	10	15	12
Sodium	ppm	1	0	5	4
Potassium	ppm	0	1	0	2

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.



WEAR METALS

Iron	ppm	<1	13	7	12
Copper	ppm	104	146	▲ 207	▲ 348
Lead	ppm	0	<1	<1	1
Tin	ppm	0	0	<1	0
Aluminum	ppm	0	0	<1	1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	<1	1	<1	0
Nickel	ppm	0	<1	0	1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	0	<1	<1	2
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	3326	3128	3492	3894
Magnesium	ppm	15	8	13	6
Zinc	ppm	1392	1353	1383	1432
Phosphorus	ppm	1239	1202	1320	1177
Barium	ppm	0	1	0	0
Boron	ppm	127	103	108	90

Depot: RIPTAM
Unique No: 11056487
Signed: Angela Borella
Report Date: 31 May 2024

VOLVO **GRAPHS**

