



CONSTRUCTION EQUIPMENT

VOLVO A40G 752 153 - BRAKE COOLING SYSTEM



Sample No: VCP441730
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP441730	VCP398079	VCP376711	VCP330285
Sample Date	15 Feb 2024	21 Jul 2023	05 Aug 2022	09 Mar 2022
Machine Hours	5085	3990	2078	1178
Oil Hours	0	3990	1500	1178
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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

OIL CONDITION

Visc @ 40°C	cSt	46.9	49.3	44.3	43.8
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	10	8	17	13
Sodium	ppm	<1	1	4	5
Potassium	ppm	0	2	0	0

Diagnosis

Resample at the next service interval to monitor. All 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	15	10	12	17
Copper	ppm	34	29	50	39
Lead	ppm	0	<1	<1	1
Tin	ppm	<1	0	1	0
Aluminum	ppm	<1	1	1	<1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	0	1	<1	<1
Nickel	ppm	0	<1	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	2445	2023	3484	3764
Magnesium	ppm	9	15	15	18
Zinc	ppm	1156	1045	1444	1423
Phosphorus	ppm	1032	850	1163	1206
Barium	ppm	<1	2	0	0
Boron	ppm	53	72	170	127

Depot: RIPTAM
Unique No: 11018982
Signed: Don Baldrige
Report Date: 10 May 2024



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VOLVO GRAPHS

