



CONSTRUCTION EQUIPMENT

658711 VOLVO A30G 742060 - BRAKE COOLING SYSTEM



Sample No: VCP428760
Oil Type: VOLVO WB 102
Job No: 658711



SAMPLE INFORMATION

Sample Number	VCP428760	VCP397383	VCP332922	VCP324609
Sample Date	06 Jan 2024	13 Dec 2022	04 Feb 2022	17 Jun 2021
Machine Hours	9195	8120	6292	5147
Oil Hours	1000	4000	0	1100
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	ABNORMAL	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	47.5	42.2	44.0	43.7
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	12	11	10	10
Sodium	ppm	0	8	9	7
Potassium	ppm	1	0	0	1

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	7	16	14	9
Copper	ppm	30	238	257	315
Lead	ppm	<1	1	<1	<1
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	1	2	1	0
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	2	<1	1	3
Nickel	ppm	<1	1	<1	<1
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2946	3286	3409	3510
Magnesium	ppm	14	14	15	13
Zinc	ppm	1199	1325	1177	1263
Phosphorus	ppm	1133	1166	1181	1153
Barium	ppm	0	0	0	0
Boron	ppm	95	106	101	127

Depot: RIPTAM
Unique No: 10862342
Signed: Don Baldrige
Report Date: 07 Feb 2024



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GRAPHS

