



CONSTRUCTION EQUIPMENT

VOLVO A40G 342110 - WET DISC BRAKE



Sample No: VCP418935
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP418935	VCP317142	VCP262296	VCP244512
Sample Date	16 Aug 2023	26 Jul 2021	12 Dec 2019	30 Aug 2019
Machine Hours	7194	3926	1661	1019
Oil Hours	1000	2000	1661	1019
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	NORMAL

ALTA EQUIPMENT
 5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JOSH GAVIN



OIL CONDITION

Visc @ 40°C	cSt	42.4	41.7	40.9	40.9
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T: (585)344-1931
 F: (315)437-8558



CONTAMINATION

Silicon	ppm	15	18	23	22
Sodium	ppm	7	4	5	4
Potassium	ppm	4	0	1	<1

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. 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	31	55	38	12
Copper	ppm	169	269	240	141
Lead	ppm	0	<1	4	0
Tin	ppm	1	<1	0	0
Aluminum	ppm	1	1	<1	1
Chromium	ppm	<1	2	1	<1
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	4	6	5	4
Titanium	ppm	0	0	0	0
Silver	ppm	0	1	<1	0
Manganese	ppm	2	2	2	<1
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	4083	3378	4667	3783
Magnesium	ppm	15	9	8	7
Zinc	ppm	1901	1410	1679	1427
Phosphorus	ppm	1559	1262	1219	1235
Barium	ppm	0	0	0	0
Boron	ppm	195	152	120	116

Depot: VOLV00142
Unique No: 10615326
Signed: Jonathan Hester
Report Date: 23 Aug 2023



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GRAPHS

