



CONSTRUCTION EQUIPMENT

302924 VOLVO L90G 617783 - FRONT AXLE



Sample No: VCP417405
Oil Type: VOLVO WB 102
Job No: 302924



SAMPLE INFORMATION

Sample Number	VCP417405	VCP355023	VCP378864	VCP301970
Sample Date	06 Jul 2023	15 Dec 2022	24 May 2022	06 Jan 2021
Machine Hours	11536	11049	10496	9508
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

COVANTA LAKES
 3830 ROGERS INDUSTRIAL PARK ROAD
 OKAHUMPKA, FL
 US 32762
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	44.0	39.8	40.1	40.2
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T:
F:



CONTAMINATION

Water	%	0.330	---	---	---
Silicon	ppm	20	12	12	11
Sodium	ppm	5	8	6	8
Potassium	ppm	0	0	0	<1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Appearance is hazy. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	99	73	52	29
Copper	ppm	2	6	2	1
Lead	ppm	0	<1	<1	<1
Tin	ppm	<1	1	<1	<1
Aluminum	ppm	4	2	2	<1
Chromium	ppm	2	1	<1	<1
Molybdenum	ppm	2	2	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	2	1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	4101	3898	3826	4000
Magnesium	ppm	29	19	18	18
Zinc	ppm	1711	1524	1576	1561
Phosphorus	ppm	1312	1211	1205	1261
Barium	ppm	0	0	0	0
Boron	ppm	134	126	140	125

Depot: COVOKA
Unique No: 10551208
Signed: Don Baldrige
Report Date: 13 Jul 2023



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GRAPHS

