



CONSTRUCTION EQUIPMENT

UPAP-ORLANDO 579902 VOLVO L90G 617406 - FRONT AXLE



Sample No: VCP417704
Oil Type: VOLVO WB 102
Job No: 579902



SAMPLE INFORMATION

Sample Number	VCP417704	VCP389641	VCP337744	VCP336799
Sample Date	11 Jul 2023	28 Dec 2022	05 Jul 2022	15 Nov 2021
Machine Hours	14237	13731	13038	11712
Oil Hours	0	0	0	500
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	43.3	42.4	42.5	43.0
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CONTAMINATION

Silicon	ppm	15	14	13	13
Sodium	ppm	3	4	6	0
Potassium	ppm	0	2	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	24	21	19	12
Copper	ppm	2	2	2	3
Lead	ppm	0	0	<1	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	2	<1	2	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	2	2	2	2
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	4088	3990	4099	4486
Magnesium	ppm	29	29	30	28
Zinc	ppm	1653	1600	1536	1642
Phosphorus	ppm	1305	1268	1256	1389
Barium	ppm	<1	0	0	0
Boron	ppm	123	128	144	143

Depot: UPUORL
Unique No: 10560390
Signed: Wes Davis
Report Date: 17 Jul 2023



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VOLVO GRAPHS

