



CONSTRUCTION EQUIPMENT

UPAP-ORLANDO 9469 617406 VOLVO L90G 617406 - REAR AXLE



Sample No: VCP438151
Oil Type: VOLVO WB 102
Job No: 9469



SAMPLE INFORMATION

Sample Number	VCP438151	VCP417698	VCP356921	VCP356920
Sample Date	08 Jan 2024	11 Jul 2023	28 Dec 2022	05 Jul 2022
Machine Hours	14951	14237	13731	13038
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	43.2	44.9	50.4	43.0
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CONTAMINATION

Water	%	0.262	NEG	NEG	NEG
Silicon	ppm	13	15	14	13
Sodium	ppm	2	2	3	6
Potassium	ppm	0	<1	2	0

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. 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	39	33	61	49
Copper	ppm	4	4	6	6
Lead	ppm	0	<1	0	<1
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	1	2	<1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	1	1	2
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3714	4000	3977	4069
Magnesium	ppm	29	28	30	32
Zinc	ppm	1627	1669	1595	1521
Phosphorus	ppm	1338	1316	1276	1252
Barium	ppm	0	0	0	0
Boron	ppm	127	127	127	143

Depot: UPUORL
Unique No: 10829776
Signed: Don Baldrige
Report Date: 14 Jan 2024



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GRAPHS

