



CONSTRUCTION EQUIPMENT

PRINCE VOLVO L90H 626545 - FRONT AXLE



Sample No: VCP454938
Oil Type: VOLVO WB 102
Job No: PRINCE



SAMPLE INFORMATION

Sample Number	VCP454938	VCP438296	VCP440385	VCP417677
Sample Date	08 Jun 2024	16 Jan 2024	20 Oct 2023	07 Jul 2023
Machine Hours	2846	2003	1583	988
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	43.2	43.6	40.5	40.8
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	14	▲ 153	18	14
Sodium	ppm	0	6	11	10
Potassium	ppm	2	8	<1	0

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	36	178	81	61
Copper	ppm	<1	<1	<1	0
Lead	ppm	<1	0	0	0
Tin	ppm	0	<1	<1	0
Aluminum	ppm	1	● 26	1	1
Chromium	ppm	2	3	4	3
Molybdenum	ppm	4	4	17	17
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	<1	1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	4	11	8
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	4157	3751	3786	3946
Magnesium	ppm	15	32	12	10
Zinc	ppm	1635	1470	1586	1651
Phosphorus	ppm	1266	1219	1279	1330
Barium	ppm	0	0	0	0
Boron	ppm	133	121	124	131

Depot: VOLVO0096
Unique No: 11083373
Signed: Wes Davis
Report Date: 17 Jun 2024



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GRAPHS

