



CONSTRUCTION EQUIPMENT

WASTE CONNECTION VOLVO L150H 7103 - REAR AXLE



Sample No: VCP431576
Oil Type: VOLVO WB 102
Job No: WASTE CONNECTION



SAMPLE INFORMATION

Sample Number	VCP431576	VCP412050	VCP369947	VCP370740
Sample Date	11 Dec 2023	02 Aug 2023	02 Dec 2022	28 Oct 2022
Machine Hours	3794	2574	1081	884
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	43.1	42.5	40.6	41.0
		■	■	▲	■



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 13	■ 15	■ 13	■ 11
Sodium	ppm	■ 2	■ 0	■ 9	■ 9
Potassium	ppm	■ 0	■ 2	■ 0	■ 9

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	■ 318	■ 318	▲ 546	■ 409
Copper	ppm	■ <1	■ 1	■ <1	■ <1
Lead	ppm	■ 0	■ 0	■ <1	■ <1
Tin	ppm	■ 0	■ 0	■ <1	■ 0
Aluminum	ppm	■ <1	■ 3	■ 4	■ <1
Chromium	ppm	■ 3	■ 4	■ 7	■ 5
Molybdenum	ppm	■ 6	■ 6	■ 6	■ 4
Nickel	ppm	■ <1	■ <1	■ 2	■ <1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	<1	0	2
Manganese	ppm	■ 5	■ 5	■ 10	■ 8
Vanadium	ppm	0	0	<1	<1



ADDITIVES

Calcium	ppm	■ 3826	■ 4113	▲ 3820	■ 2529
Magnesium	ppm	■ 20	■ 16	■ 15	■ 16
Zinc	ppm	■ 1555	■ 1580	▲ 1427	■ 1056
Phosphorus	ppm	■ 1294	■ 1322	■ 1192	■ 835
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 126	■ 142	■ 122	■ 97

Depot: VOLVO0096
Unique No: 10793426
Signed: Wes Davis
Report Date: 19 Dec 2023



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GRAPHS

