



CONSTRUCTION EQUIPMENT

714992 BULK EXPRESS VOLVO L180H 5391 - FRONT AXLE



Sample No: VCP449822
Oil Type: VOLVO WB 102
Job No: 714992 BULK EXPRESS



SAMPLE INFORMATION

Sample Number	VCP449822	VCP438404	VCP440258	VCP440362
Sample Date	03 May 2024	23 Mar 2024	26 Dec 2023	10 Nov 2023
Machine Hours	6157	5788	5286	4739
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.6	42.6	42.5	44.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	12	9	14	15
Sodium	ppm	0	2	0	2
Potassium	ppm	3	0	<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	38	49	34	45
Copper	ppm	25	21	30	21
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	1	<1	1	1
Chromium	ppm	1	<1	<1	<1
Molybdenum	ppm	4	3	4	2
Nickel	ppm	1	0	0	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	<1	<1	1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3779	3637	4870	3640
Magnesium	ppm	23	19	29	22
Zinc	ppm	1532	1447	2022	1513
Phosphorus	ppm	1272	1110	1625	1229
Barium	ppm	0	0	0	0
Boron	ppm	137	115	168	127

Depot: VOLVO0096
Unique No: 11019037
Signed: Wes Davis
Report Date: 09 May 2024



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GRAPHS

