



CONSTRUCTION EQUIPMENT

714992 BULK EXPRESS VOLVO L180H 5391 - REAR AXLE



Sample No: VCP449823
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No: 714992 BULK EXPRESS



SAMPLE INFORMATION

Sample Number	VCP449823	VCP440265	VCP440366	VCP434822
Sample Date	03 May 2024	26 Dec 2023	10 Nov 2023	14 Sep 2023
Machine Hours	6157	5286	4791	3966
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	39.6	42.7	42.8	41.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	13	11	9	10
Sodium	ppm	0	0	2	3
Potassium	ppm	2	<1	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	45	31	21	46
Copper	ppm	18	18	16	39
Lead	ppm	1	0	0	<1
Tin	ppm	<1	0	<1	0
Aluminum	ppm	2	1	1	<1
Chromium	ppm	1	<1	<1	<1
Molybdenum	ppm	4	3	2	4
Nickel	ppm	1	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	<1	<1	1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3535	3733	3634	3741
Magnesium	ppm	29	21	21	23
Zinc	ppm	1443	1558	1518	1523
Phosphorus	ppm	1205	1236	1230	1261
Barium	ppm	0	0	0	0
Boron	ppm	131	128	127	140

Depot: VOLVO0096
Unique No: 11019014
Signed: Wes Davis
Report Date: 09 May 2024



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GRAPHS

