



CONSTRUCTION EQUIPMENT

716240 BULK EXPRESS VOLVO L180H 5391 - FRONT AXLE



Sample No: VCP443372
Oil Type: VOLVO WB 102
Job No: 716240 BULK EXPRESS



SAMPLE INFORMATION

Sample Number	VCP443372	VCP449822	VCP438404	VCP440258
Sample Date	14 May 2024	03 May 2024	23 Mar 2024	26 Dec 2023
Machine Hours	6290	6157	5788	5286
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.5	42.6	42.6	42.5
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CONTAMINATION

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



ADDITIVES

Calcium	ppm	3975	3779	3637	4870
Magnesium	ppm	25	23	19	29
Zinc	ppm	1562	1532	1447	2022
Phosphorus	ppm	1334	1272	1110	1625
Barium	ppm	0	0	0	0
Boron	ppm	150	137	115	168

Depot: VOLVO0096
Unique No: 11036088
Signed: Wes Davis
Report Date: 21 May 2024



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GRAPHS

