



CONSTRUCTION EQUIPMENT

W14566 VOLVO L180H 5363 - FRONT AXLE



Sample No: VCP410534
Oil Type: VOLVO WB 102
Job No: W14566



SAMPLE INFORMATION

Sample Number	VCP410534	VCP406601	VCP380813	VCP379676
Sample Date	17 Aug 2023	01 Jun 2023	08 Mar 2023	29 Dec 2022
Machine Hours	4010	3537	3023	2660
Oil Hours	4000	500	1000	500
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	39.1	39.4	39.6	39.5
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CONTAMINATION

Silicon	ppm	12	14	11	11
Sodium	ppm	10	10	8	10
Potassium	ppm	2	3	<1	<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	96	87	75	73
Copper	ppm	28	26	22	23
Lead	ppm	<1	<1	0	<1
Tin	ppm	<1	1	0	<1
Aluminum	ppm	<1	2	<1	<1
Chromium	ppm	3	3	3	3
Molybdenum	ppm	3	3	3	3
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	4	4	4
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3811	3935	3616	3631
Magnesium	ppm	12	13	11	12
Zinc	ppm	1610	1670	1501	1467
Phosphorus	ppm	1298	1373	1206	1168
Barium	ppm	0	0	0	0
Boron	ppm	124	120	106	128

Depot: VOLVO0080
Unique No: 10615787
Signed: Wes Davis
Report Date: 22 Aug 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

