



CONSTRUCTION EQUIPMENT

SWA333191 TRADE IN VOLVO L180H 004502 - FRONT AXLE



Sample No: VCP417068
Oil Type: VOLVO WB 102
Job No: SWA333191 TRADE IN



SAMPLE INFORMATION

Sample Number	VCP417068	VCP393940	VCP338410	VCP37765
Sample Date	11 Sep 2023	06 Mar 2023	26 Aug 2022	01 Jun 2022
Machine Hours	11087	10109	8634	7886
Oil Hours	0	1000	2000	1000
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.6	42.3	46.8	45.3
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CONTAMINATION

Silicon	ppm	13	14	19	17
Sodium	ppm	1	<1	0	2
Potassium	ppm	0	2	2	2



WEAR METALS

Iron	ppm	28	34	132	128
Copper	ppm	9	<1	6	4
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	0	0
Aluminum	ppm	6	<1	2	2
Chromium	ppm	<1	<1	2	3
Molybdenum	ppm	22	25	<1	1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	1	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3729	4096	4401	3845
Magnesium	ppm	45	60	15	14
Zinc	ppm	1489	1679	1745	1566
Phosphorus	ppm	1196	1265	1441	1233
Barium	ppm	0	0	2	0
Boron	ppm	136	133	154	158

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.

Depot: VOLVO0093
Unique No: 10656782
Signed: Wes Davis
Report Date: 21 Sep 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

