



CONSTRUCTION EQUIPMENT

SPM580303 SUWANNEE VOLVO L180H 5419 - REAR AXLE



Sample No: VCP413232
Oil Type: VOLVO WB 102
Job No: SPM580303 SUWANNEE



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SAMPLE INFORMATION

Sample Number	VCP413232	VCP417496	VCP404985	VCP399004
Sample Date	18 Jul 2023	02 Jun 2023	14 Apr 2023	14 Dec 2022
Machine Hours	9778	9285	8764	7772
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	43.3	43.1	42.1	42.4
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CONTAMINATION

Silicon	ppm	12	11	9	10
Sodium	ppm	2	1	4	6
Potassium	ppm	0	0	0	0



WEAR METALS

Iron	ppm	21	17	23	26
Copper	ppm	19	16	25	24
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	1	<1	<1	<1
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	4169	3629	3277	3756
Magnesium	ppm	15	13	17	17
Zinc	ppm	1694	1472	1415	1525
Phosphorus	ppm	1380	1165	1171	1201
Barium	ppm	0	0	0	0
Boron	ppm	135	133	115	123

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: 10566028
Signed: Wes Davis
Report Date: 24 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

