



CONSTRUCTION EQUIPMENT

SWA404611 VOLVO EW180E 322003 - FRONT AXLE



Sample No: VCP431197

Oil Type: VOLVO

Job No: SWA404611



SAMPLE INFORMATION

Sample Number	VCP431197	VCP330852	VCP300600	VCP283237
Sample Date	29 Nov 2023	01 Apr 2022	13 Jul 2021	10 Aug 2020
Machine Hours	3015	2006	1591	1067
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



ALTA EQUIPMENT

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 SYRACUSE, NY
 US 13206
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OIL CONDITION

Visc @ 40°C	cSt	42.9	53.5	53.8	53.7
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	17	10	10	12
Sodium	ppm	3	25	23	25
Potassium	ppm	<1	0	2	<1



WEAR METALS

Iron	ppm	22	39	33	30
Copper	ppm	<1	2	2	1
Lead	ppm	<1	<1	<1	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	2	0	0
Chromium	ppm	<1	1	1	0
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	1	6	6	6
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	4025	3784	3463	3496
Magnesium	ppm	0	13	12	7
Zinc	ppm	1545	1294	1360	1429
Phosphorus	ppm	1325	1198	1100	1119
Barium	ppm	0	0	<1	0
Boron	ppm	138	130	142	154

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: VOLVO0142
Unique No: 10769954
Signed: Wes Davis
Report Date: 06 Dec 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

