



CONSTRUCTION EQUIPMENT

SWO-063645 APAC/MIDS VOLVO L180H 5494 - FRONT AXLE



Sample No: VCP424610
Oil Type: NOT GIVEN
Job No: SWO-063645 APAC/MIDS



SAMPLE INFORMATION

Sample Number	VCP424610	VCP410148	VCP368397	VCP365460
Sample Date	07 Jul 2023	03 Apr 2023	10 Nov 2022	25 Aug 2022
Machine Hours	3620	3078	2519	3182
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

COWIN EQUIPMENT COMPANY

2238 PINSON VALLEY PARKWAY
 BIRMINGHAM, AL
 US 35217
 Contact: BRANTLY CLAY
 bclay@cowin.com
 T:
 F: (205)856-2106



OIL CONDITION

Visc @ 40°C	cSt	39.1	39.1	40.1	39.6
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CONTAMINATION

Silicon	ppm	12	12	11	10
Sodium	ppm	9	10	9	8
Potassium	ppm	1	0	0	3



WEAR METALS

Iron	ppm	106	91	70	54
Copper	ppm	24	22	18	14
Lead	ppm	<1	0	1	<1
Tin	ppm	<1	0	<1	0
Aluminum	ppm	1	1	<1	2
Chromium	ppm	4	3	2	2
Molybdenum	ppm	2	2	2	2
Nickel	ppm	<1	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	5	5	3	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3861	3545	3669	3563
Magnesium	ppm	13	11	13	8
Zinc	ppm	1626	1432	1502	1511
Phosphorus	ppm	1348	1231	1267	1257
Barium	ppm	0	0	0	<1
Boron	ppm	112	121	116	133

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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: VOLVO8528
Unique No: 10560382
Signed: Wes Davis
Report Date: 17 Jul 2023



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VOLVO GRAPHS

