



CONSTRUCTION EQUIPMENT

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



Sample No: VCP424609
Oil Type: NOT GIVEN
Job No: SWO-063645 APAC/MIDS



SAMPLE INFORMATION

Sample Number	VCP424609	VCP410305	VCP369486	VCP375631
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	39.2	39.5	39.7	41.5
-------------	-----	-------------	------	------	------



CONTAMINATION

Silicon	ppm	11	13	11	10
Sodium	ppm	8	10	9	9
Potassium	ppm	1	<1	0	3



WEAR METALS

Iron	ppm	102	89	71	47
Copper	ppm	23	22	18	10
Lead	ppm	<1	0	<1	<1
Tin	ppm	<1	0	<1	0
Aluminum	ppm	1	1	<1	2
Chromium	ppm	4	3	3	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	4	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3696	3511	3621	3638
Magnesium	ppm	11	10	12	8
Zinc	ppm	1586	1425	1488	1542
Phosphorus	ppm	1292	1235	1253	1284
Barium	ppm	0	0	0	<1
Boron	ppm	106	121	116	139

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: 10560383
Signed: Wes Davis
Report Date: 17 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

