



CONSTRUCTION EQUIPMENT

SWO-066023 VOLVO L180H 5494 - REAR AXLE



Sample No: VCP435430
Oil Type: NOT GIVEN
Job No: SWO-066023



SAMPLE INFORMATION

Sample Number	VCP435430	VCP424609	VCP410305	VCP369486
Sample Date	21 Sep 2023	07 Jul 2023	03 Apr 2023	10 Nov 2022
Machine Hours	4058	3620	3078	2519
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

COWIN EQUIPMENT COMPANY

2238 PINSON VALLEY PARKWAY
BIRMINGHAM, AL
US 35217
Contact: BRANTLY CLAY
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T:
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OIL CONDITION

Visc @ 40°C	cSt	39.4	39.2	39.5	39.7
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CONTAMINATION

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



WEAR METALS

Iron	ppm	114	102	89	71
Copper	ppm	20	23	22	18
Lead	ppm	0	<1	0	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	2	1	1	<1
Chromium	ppm	4	4	3	3
Molybdenum	ppm	2	2	2	2
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	5	5	5	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3690	3696	3511	3621
Magnesium	ppm	10	11	10	12
Zinc	ppm	1538	1586	1425	1488
Phosphorus	ppm	1269	1292	1235	1253
Barium	ppm	0	0	0	0
Boron	ppm	133	106	121	116

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 70W80 Wet Brake Transaxle Oil. Please confirm the oil type and grade, and specify the brand 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: 10662681
Signed: Wes Davis
Report Date: 27 Sep 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

