



CONSTRUCTION EQUIPMENT

VOLVO L180H 5290 - REAR AXLE



Sample No: VCP312691
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP312691	VCP343270	VCP377132	VCP337167
Sample Date	07 Sep 2023	19 Jun 2023	21 Nov 2022	07 Sep 2022
Machine Hours	5994	5464	4347	3911
Oil Hours	530	1117	1019	583
Oil Changed	Not Chngd	Changed	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	52.9	49.4	51.4	57.6
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CONTAMINATION

Silicon	ppm	12	12	9	9
Sodium	ppm	2	3	5	3
Potassium	ppm	1	0	2	0

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.



WEAR METALS

Iron	ppm	8	6	8	4
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	<1	<1	<1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	1	<1	<1	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3357	3569	3673	3556
Magnesium	ppm	15	17	19	19
Zinc	ppm	1441	1399	1448	1370
Phosphorus	ppm	1145	1119	1161	1095
Barium	ppm	0	0	0	0
Boron	ppm	137	128	112	108

Depot: SCHGRE
Unique No: 10672286
Signed: Wes Davis
Report Date: 02 Oct 2023



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GRAPHS

