



CONSTRUCTION EQUIPMENT

VOLVO L180H 5290 - FRONT AXLE



Sample No: VCP331585
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP331585	VCP312684	VCP343278	VCP377263
Sample Date	13 Nov 2023	07 Sep 2023	19 Jun 2023	13 Mar 2023
Machine Hours	6425	5994	5464	4934
Oil Hours	961	530	1117	587
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	ABNORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	50.6	51.5	49.0	50.3
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CONTAMINATION

Water	%	0.226	NEG	NEG	NEG
Silicon	ppm	19	18	17	16
Sodium	ppm	5	2	3	3
Potassium	ppm	0	1	0	0

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	27	21	20	17
Copper	ppm	0	<1	<1	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	3	<1	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	1	<1	1
Nickel	ppm	0	<1	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	3414	3474	3649	3527
Magnesium	ppm	21	20	22	23
Zinc	ppm	1435	1465	1418	1355
Phosphorus	ppm	1136	1150	1117	1090
Barium	ppm	0	0	0	0
Boron	ppm	117	136	131	126

Depot: SCHGRE
Unique No: 10755955
Signed: Sean Felton
Report Date: 28 Nov 2023



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GRAPHS

