



CONSTRUCTION EQUIPMENT

SW0071176 VOLVO A45G 352734 - FRONT AXLE



Sample No: VCP434417
Oil Type: GEAR OIL SAE 80W90
Job No: SWO071176



SAMPLE INFORMATION

Sample Number	VCP434417	VCP427323	VCP382603	VCP380791
Sample Date	12 Apr 2024	21 Aug 2023	27 Apr 2023	17 Jan 2023
Machine Hours	4585	3997	3463	2987
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	282	155	155	148
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	9	9	8
Sodium	ppm	<1	9	4	8
Potassium	ppm	1	2	5	2

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	180	255	246	95
Copper	ppm	1	<1	<1	<1
Lead	ppm	1	0	0	<1
Tin	ppm	1	0	0	0
Aluminum	ppm	1	4	0	2
Chromium	ppm	4	4	4	2
Molybdenum	ppm	14	5	6	6
Nickel	ppm	2	<1	<1	0
Titanium	ppm	<1	<1	<1	0
Silver	ppm	<1	0	0	0
Manganese	ppm	6	9	8	6
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	99	2824	2753	2543
Magnesium	ppm	25	31	24	25
Zinc	ppm	73	1169	1149	1083
Phosphorus	ppm	1020	1098	1064	989
Barium	ppm	0	6	0	6
Boron	ppm	157	57	53	49

Depot: SAIBIR
Unique No: 10982430
Signed: Sean Felton
Report Date: 22 Apr 2024



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GRAPHS

