



CONSTRUCTION EQUIPMENT

600188 WASTE MGMT VOLVO EC160E 310147 - REAR RIGHT FINAL DRIVE



Sample No: VCP420778
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 600188 WASTE MGMT



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SAMPLE INFORMATION

Sample Number	VCP420778	VCP424168	VCP346237	VCP300196
Sample Date	10 Jan 2024	21 Sep 2023	31 Mar 2023	16 Mar 2021
Machine Hours	12402	12010	0	5652
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	N/A	Not Chngd
Sample Status	NORMAL	NORMAL	ABNORMAL	SEVERE



OIL CONDITION

Visc @ 40°C	cSt	333	332	305	265
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CONTAMINATION

Water	%	NEG	NEG	▲ 0.303	● 4.80
Silicon	ppm	3	1	7	4
Sodium	ppm	0	2	<1	1
Potassium	ppm	1	2	3	0



WEAR METALS

Iron	ppm	58	53	209	55
Copper	ppm	<1	0	<1	<1
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	1	<1	1	<1
Chromium	ppm	2	<1	4	1
Molybdenum	ppm	<1	0	0	0
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	3	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	45	57	87	3
Magnesium	ppm	<1	<1	4	0
Zinc	ppm	13	30	62	15
Phosphorus	ppm	1124	1132	1050	514
Barium	ppm	0	0	2	0
Boron	ppm	167	213	141	77

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. Confirm oil type. The condition of the oil is acceptable for the time in service.

Depot: VOLVO1271
Unique No: 10862316
Signed: Don Baldrige
Report Date: 07 Feb 2024



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GRAPHS

