



CONSTRUCTION EQUIPMENT

600188 WASTE MGMT VOLVO EC160E 310147 - REAR LEFT FINAL DRIVE



Sample No: VCP420782
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 600188 WASTE MGMT



SAMPLE INFORMATION

Sample Number	VCP420782	VCP424169	VCP379886	VCP346242
Sample Date	10 Jan 2024	21 Sep 2023	26 Apr 2023	31 Mar 2023
Machine Hours	12402	12010	9553	0
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	N/A	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	336	335	340	341
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	2	9	9
Sodium	ppm	3	2	0	0
Potassium	ppm	1	<1	1	<1

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.



WEAR METALS

Iron	ppm	43	15	67	66
Copper	ppm	<1	0	<1	<1
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	1	<1	<1	1
Chromium	ppm	2	0	2	2
Molybdenum	ppm	<1	0	0	0
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	10	7	7	7
Magnesium	ppm	2	<1	<1	<1
Zinc	ppm	8	6	37	37
Phosphorus	ppm	1602	1078	1047	1052
Barium	ppm	0	0	2	1
Boron	ppm	275	234	199	201

Depot: VOLVO1271
Unique No: 10862319
Signed: Don Baldrige
Report Date: 07 Feb 2024



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GRAPHS

