



CONSTRUCTION EQUIPMENT

600106 CRC VOLVO EC160E 310147 - REAR RIGHT FINAL DRIVE



Sample No: VCP346237
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 600106 CRC



SAMPLE INFORMATION

Sample Number	VCP346237	VCP300196	---	---
Sample Date	31 Mar 2023	16 Mar 2021	---	---
Machine Hours	0	5652	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	ABNORMAL	SEVERE	---	---

PACWEST MACHINERY

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OIL CONDITION

Visc @ 40°C	cSt	305	265	---	---
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CONTAMINATION

Water	%	0.303	4.80	---	---
Silicon	ppm	7	4	---	---
Sodium	ppm	<1	1	---	---
Potassium	ppm	3	0	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Appearance is unacceptable 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	209	55	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	<1	---	---
Chromium	ppm	4	1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	3	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	87	3	---	---
Magnesium	ppm	4	0	---	---
Zinc	ppm	62	15	---	---
Phosphorus	ppm	1050	514	---	---
Barium	ppm	2	0	---	---
Boron	ppm	141	77	---	---

Depot: VOLVO1271
Unique No: 10662066
Signed: Sean Felton
Report Date: 27 Sep 2023



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GRAPHS

