



CONSTRUCTION EQUIPMENT

728449 VOLVO EC480 314300 - FRONT RIGHT FINAL DRIVE



Sample No: VCP439525
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 728449



SAMPLE INFORMATION

Sample Number	VCP439525	---	---	---
Sample Date	20 Jun 2024	---	---	---
Machine Hours	6215	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

FIVE STONES MINE

MORNING STAR FARM RD
 CANAL POINT, FL
 US 33430
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	● 437	---	---	---
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T:
 F:



CONTAMINATION

Water	%	▲ 0.242	---	---	---
Silicon	ppm	■ 509	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ 7	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is higher than normal.



WEAR METALS

Iron	ppm	■ 3344	---	---	---
Copper	ppm	■ 7	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 29	---	---	---
Chromium	ppm	■ 39	---	---	---
Molybdenum	ppm	■ 5	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	■ 2	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 25	---	---	---
Vanadium	ppm	< 1	---	---	---



ADDITIVES

Calcium	ppm	■ 640	---	---	---
Magnesium	ppm	■ 9	---	---	---
Zinc	ppm	■ 57	---	---	---
Phosphorus	ppm	■ 822	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 113	---	---	---

Depot: FIVCAN
Unique No: 11099811
Signed: Angela Borella
Report Date: 28 Jun 2024



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GRAPHS

