



# CONSTRUCTION EQUIPMENT

730087 PADNOS VOLVO EC220D 210528 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP453550  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 730087 PADNOS



## SAMPLE INFORMATION

Sample Number	VCP453550	---	---	---
Sample Date	20 Jun 2024	---	---	---
Machine Hours	11524	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

**ALTA EQUIPMENT COMPANY - METRO WEST**  
 56195 PONTIAC TRAIL  
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## OIL CONDITION

Visc @ 40°C	cSt	■ 158	---	---	---
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## CONTAMINATION

Water	%	▲ 0.226	---	---	---
Silicon	ppm	▲ 961	---	---	---
Sodium	ppm	■ 29	---	---	---
Potassium	ppm	■ 41	---	---	---



## WEAR METALS

Iron	ppm	▲ 2673	---	---	---
Copper	ppm	■ 7	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	● 106	---	---	---
Chromium	ppm	▲ 18	---	---	---
Molybdenum	ppm	■ 3	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	6	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 16	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	■ 389	---	---	---
Magnesium	ppm	■ 94	---	---	---
Zinc	ppm	■ 28	---	---	---
Phosphorus	ppm	■ 1807	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 135	---	---	---

## Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is a light concentration of water present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VOLVO2990  
**Unique No:** 11100794  
**Signed:** Don Baldrige  
**Report Date:** 29 Jun 2024



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## GRAPHS

