



# CONSTRUCTION EQUIPMENT

X49201 VOLVO A40E 12938 - TRANSFER CASE



**Sample No:** VCP442633  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** X49201



## SAMPLE INFORMATION

Sample Number	VCP442633	---	---	---
Sample Date	26 Jun 2024	---	---	---
Machine Hours	10296	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	63.3	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	0	---	---	---
Potassium	ppm	2	---	---	---



## WEAR METALS

Iron	ppm	78	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	5	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	593	---	---	---
Magnesium	ppm	8	---	---	---
Zinc	ppm	7	---	---	---
Phosphorus	ppm	713	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	70	---	---	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The oil viscosity is lower than normal. Confirm oil type.

**Depot:** VOLVO6244  
**Unique No:** 11103038  
**Signed:** Don Baldrige  
**Report Date:** 02 Jul 2024



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## GRAPHS

