



# CONSTRUCTION EQUIPMENT

X18461 APAC VOLVO A40G 353145 - DROP BOX



**Sample No:** VCP438313  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:** X18461 APAC



## SAMPLE INFORMATION

Sample Number	VCP438313	---	---	---
Sample Date	29 Apr 2024	---	---	---
Machine Hours	3440	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	■ 44.0	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 107	---	---	---
Sodium	ppm	■ 14	---	---	---
Potassium	ppm	■ 7	---	---	---



## WEAR METALS

Iron	ppm	▲ 2838	---	---	---
Copper	ppm	▲ 55	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	● 23	---	---	---
Chromium	ppm	▲ 39	---	---	---
Molybdenum	ppm	■ 65	---	---	---
Nickel	ppm	▲ 20	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 33	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	■ 117	---	---	---
Magnesium	ppm	■ 3	---	---	---
Zinc	ppm	■ 108	---	---	---
Phosphorus	ppm	■ 2147	---	---	---
Barium	ppm	■ 1	---	---	---
Boron	ppm	■ 76	---	---	---

## 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. Bearing and/or gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** VOLVO8771  
**Unique No:** 11005551  
**Signed:** Jonathan Hester  
**Report Date:** 03 May 2024



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## GRAPHS

