



# CONSTRUCTION EQUIPMENT

SW1033701 VOLVO A30G 742497 - DROP BOX



**Sample No:** VCP362637  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** SW1033701



## SAMPLE INFORMATION

Sample Number	VCP362637	---	---	---
Sample Date	02 May 2024	---	---	---
Machine Hours	4845	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

**ARNOLD MACHINERY COMPANY**  
 4136 NORTH DONOVAN WAY  
 LAS VEGAS, NV  
 US 89030  
 Contact: TONY SHAW  
 tshaw@arnoldmachinery.com  
 T: (702)642-9000  
 F:

## OIL CONDITION

Visc @ 40°C	cSt	● 255	---	---	---
-------------	-----	-------	-----	-----	-----

## CONTAMINATION

Water	%	▲ 11.1	---	---	---
Silicon	ppm	▲ 121	---	---	---
Sodium	ppm	■ 67	---	---	---
Potassium	ppm	■ 16	---	---	---

## WEAR METALS

Iron	ppm	▲ 2922	---	---	---
Copper	ppm	■ 6	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	● 33	---	---	---
Chromium	ppm	▲ 27	---	---	---
Molybdenum	ppm	● 21	---	---	---
Nickel	ppm	■ 6	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 24	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	● 2287	---	---	---
Magnesium	ppm	■ 58	---	---	---
Zinc	ppm	● 1113	---	---	---
Phosphorus	ppm	■ 1014	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 98	---	---	---

**Diagnosis**  
 We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. 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. Appearance is milky. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VOLVO5856  
**Unique No:** 11021912  
**Signed:** Sean Felton  
**Report Date:** 14 May 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

