



# CONSTRUCTION EQUIPMENT

SPM594618 ALPINE DEM VOLVO EC750E 314070 - LEFT FINAL DRIVE



**Sample No:** VCP422980  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM594618 ALPINE DEM



## SAMPLE INFORMATION

Sample Number	VCP422980	---	---	---
Sample Date	28 Sep 2023	---	---	---
Machine Hours	1522	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**ALTA EQUIPMENT CO - ORLAND PARK**  
5000 INDUSTRIAL HWY  
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## OIL CONDITION

Visc @ 40°C	cSt	█ 180	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 148	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 10	---	---	---

## 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. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	█ 435	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	▲ 25	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 6	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 107	---	---	---
Magnesium	ppm	█ 42	---	---	---
Zinc	ppm	█ 4	---	---	---
Phosphorus	ppm	█ 152	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** VOLVO8885  
**Unique No:** 10686343  
**Signed:** Don Baldrige  
**Report Date:** 12 Oct 2023



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## GRAPHS

