



# CONSTRUCTION EQUIPMENT

SPM595564 ALPINE DEM VOLVO EC480E 391030 - LEFT SWING DRIVE



**Sample No:** VCP420699  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM595564 ALPINE DEM



**ALTA EQUIPMENT CO - ORLAND PARK**  
 5000 INDUSTRIAL HWY  
 GARY, IN  
 US 46406  
 Contact: DAVE ENG  
 DAVE.ENG@ALTG.COM  
 T: (312)350-2560  
 F:



## SAMPLE INFORMATION

Sample Number	VCP420699	VCP355044	---	---
Sample Date	12 Sep 2023	21 Jul 2022	---	---
Machine Hours	2080	972	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█ 198	█ 183	---	---
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## CONTAMINATION

Silicon	ppm	█ 18	█ 15	---	---
Sodium	ppm	█ 0	█ 2	---	---
Potassium	ppm	█ 2	█ <1	---	---



## WEAR METALS

Iron	ppm	█ 60	█ 81	---	---
Copper	ppm	█ 6	█ 10	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 3	█ 1	---	---
Chromium	ppm	█ 1	█ 1	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ 1	█ 2	---	---
Vanadium	ppm	█ 0	█ 0	---	---



## ADDITIVES

Calcium	ppm	█ 2401	█ 7	---	---
Magnesium	ppm	█ 10	█ 2	---	---
Zinc	ppm	█ 1027	█ 15	---	---
Phosphorus	ppm	█ 898	█ 287	---	---
Barium	ppm	█ 0	█ 8	---	---
Boron	ppm	█ 2	█ 0	---	---

## Diagnosis

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. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO8885  
**Unique No:** 10658476  
**Signed:** Don Baldrige  
**Report Date:** 22 Sep 2023



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## GRAPHS

