



# CONSTRUCTION EQUIPMENT

SPM620033 DGI-MENARD VOLVO EC480E 315024 - DIESEL ENGINE



**Sample No:** VCP427360  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SPM620033 DGI-MENARD



**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	VCP427360	---	---	---
Sample Date	19 Oct 2023	---	---	---
Machine Hours	1075	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 100°C	cSt	█ 12.5	---	---	---
Base Number (BN)	mg KOH/g	█ 5.7	---	---	---
Oxidation (PA)	%	69	---	---	---

## CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	82	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 18	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 4	---	---	---

## WEAR METALS

Iron	ppm	█ 9	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 8	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 81	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	█ 1625	---	---	---
Magnesium	ppm	█ 381	---	---	---
Zinc	ppm	█ 1137	---	---	---
Phosphorus	ppm	█ 951	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 59	---	---	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

**Depot:** VOLVO8885  
**Unique No:** 10712798  
**Signed:** Wes Davis  
**Report Date:** 27 Oct 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

