



# CONSTRUCTION EQUIPMENT

## TOYOTA TUNDRA 414749 - DIESEL ENGINE



**Sample No:** VCP449111  
**Oil Type:** MOBIL 1 0W20  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP449111	---	---	---
Sample Date	02 Jan 2024	---	---	---
Machine Hours	272000	---	---	---
Oil Hours	4000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**SCOTT EQUIPMENT COMPANY LLC - Texarkana**  
 5401 SANDERSON LANE  
 TEXARKANA, AR  
 US 71854  
 Contact: NICK DUKE  
 nduke@scottcompanies.com  
 T: (870)772-0204  
 F:



### OIL CONDITION

Visc @ 100°C	cSt	■ 8.2	---	---	---
Base Number (BN)	mg KOH/g	■ 5.2	---	---	---
Oxidation (PA)	%	53	---	---	---

### 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.



### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	■ 7	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 2	---	---	---



### WEAR METALS

Iron	ppm	■ 2	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 67	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	■ 874	---	---	---
Magnesium	ppm	■ 455	---	---	---
Zinc	ppm	■ 679	---	---	---
Phosphorus	ppm	■ 739	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 49	---	---	---

**Depot:** VOLVO1034  
**Unique No:** 10821657  
**Signed:** Wes Davis  
**Report Date:** 10 Jan 2024



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## GRAPHS

