



# CONSTRUCTION EQUIPMENT

X59510 MANTIS/TADANO 6010 60-335 - DIESEL ENGINE



**Sample No:** VCP437002  
**Oil Type:** {unknown}  
**Job No:** X59510



## SAMPLE INFORMATION

Sample Number	VCP437002	---	---	---
Sample Date	19 Apr 2024	---	---	---
Machine Hours	1752	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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## OIL CONDITION

Visc @ 100°C	cSt	█ 12.4	---	---	---
Base Number (BN)	mg KOH/g	█ 10.1	---	---	---
Oxidation (PA)	%	77	---	---	---

## Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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 %	%	█ 0.1	---	---	---
Nitration (PA)	%	52	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 1.1	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 18	---	---	---



## WEAR METALS

Iron	ppm	█ 23	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 37	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1754	---	---	---
Magnesium	ppm	█ 547	---	---	---
Zinc	ppm	█ 1155	---	---	---
Phosphorus	ppm	█ 966	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 63	---	---	---

**Depot:** SCOSAI  
**Unique No:** 10995426  
**Signed:** Wes Davis  
**Report Date:** 29 Apr 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

