



# CONSTRUCTION EQUIPMENT

## CATERPILLAR 6YMO1213 - DIESEL ENGINE



**Sample No:** VCP365892  
**Oil Type:** MOBIL DELVAC 1300 SUPER15W40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP365892	---	---	---
Sample Date	31 May 2023	---	---	---
Machine Hours	9147	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### PLEASANT RIVER LUMBER

PO BOX 68  
 DOVER FOXCROFT, ME  
 US 04426  
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### OIL CONDITION

Visc @ 100°C	cSt	▲ 12.3	---	---	---
Base Number (BN)	mg KOH/g	■ 9.2	---	---	---
Oxidation (PA)	%	■ 59	---	---	---

### Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.



### CONTAMINATION

Soot %	%	■ 0.3	---	---	---
Nitration (PA)	%	■ 83	---	---	---
Sulfation (PA)	%	■ 50	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	▲ 5.0	---	---	---
Silicon	ppm	■ 5	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ <1	---	---	---



### WEAR METALS

Iron	ppm	■ 12	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 58	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---



### ADDITIVES

Calcium	ppm	■ 1083	---	---	---
Magnesium	ppm	■ 937	---	---	---
Zinc	ppm	■ 1252	---	---	---
Phosphorus	ppm	■ 1013	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 7	---	---	---

**Depot:** PLEDOV  
**Unique No:** 10631754  
**Signed:** Wes Davis  
**Report Date:** 05 Sep 2023



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## GRAPHS

