

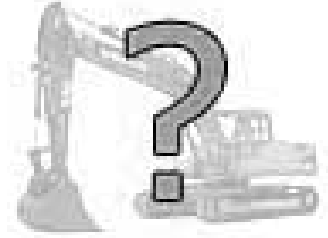


# CONSTRUCTION EQUIPMENT

W07013155-1 PENN TAKEUCHI TL-12 2293 - DIESEL ENGINE



**Sample No:** VCP415477  
**Oil Type:** NOT GIVEN  
**Job No:** W07013155-1 PENN



## SAMPLE INFORMATION

Sample Number	VCP415477	---	---	---
Sample Date	24 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

**McClung-Logan Virginia LLC- RICHMOND**  
1345 MOUNTAIN ROAD  
GLEN ALLEN, VA  
US 23060  
Contact: KYLE RATLIFFE  
KRATLIFFE@MCCLUNG-LOGAN.COM  
T:  
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## OIL CONDITION

Visc @ 100°C	cSt	█ 15.0	---	---	---
Base Number (BN)	mg KOH/g	█ 8.7	---	---	---
Oxidation (PA)	%	74	---	---	---

## Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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

Soot %	%	█ 2.1	---	---	---
Nitration (PA)	%	95	---	---	---
Sulfation (PA)	%	67	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---



## WEAR METALS

Iron	ppm	█ 35	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 51	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1612	---	---	---
Magnesium	ppm	█ 667	---	---	---
Zinc	ppm	█ 1313	---	---	---
Phosphorus	ppm	█ 1053	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 24	---	---	---

**Depot:** VOLVO8882  
**Unique No:** 10620389  
**Signed:** Wes Davis  
**Report Date:** 28 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

