



# CONSTRUCTION EQUIPMENT

W07013510-2 TAKEUCHI TL12RZ 412106919 - DIESEL ENGINE



**Sample No:** VCP414568  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** W07013510-2



## SAMPLE INFORMATION

Sample Number	VCP414568	---	---	---
Sample Date	09 Oct 2023	---	---	---
Machine Hours	50	---	---	---
Oil Hours	50	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**McClung-Logan Virginia LLC- RICHMOND**  
 1345 MOUNTAIN ROAD  
 GLEN ALLEN, VA  
 US 23060  
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## OIL CONDITION

Visc @ 100°C	cSt	▲ 10.4	---	---	---
Base Number (BN)	mg KOH/g	■ 10.0	---	---	---
Oxidation (PA)	%	■ 30	---	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Sodium and/or potassium levels are high. Fuel content negligible. Test for glycol is negative. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



## CONTAMINATION

Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	■ 51	---	---	---
Sulfation (PA)	%	■ 39	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	■ 1.9	---	---	---
Silicon	ppm	■ 22	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	▲ 133	---	---	---



## WEAR METALS

Iron	ppm	■ 14	---	---	---
Copper	ppm	■ 9	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 135	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	■ 0	---	---	---



## ADDITIVES

Calcium	ppm	■ 2540	---	---	---
Magnesium	ppm	■ 60	---	---	---
Zinc	ppm	■ 561	---	---	---
Phosphorus	ppm	■ 454	---	---	---
Barium	ppm	■ 3	---	---	---
Boron	ppm	■ 140	---	---	---

**Depot:** VOLVO8882  
**Unique No:** 10695316  
**Signed:** Jonathan Hester  
**Report Date:** 17 Oct 2023



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## GRAPHS

