



# CONSTRUCTION EQUIPMENT

593839 DC MARINE TAKEUCHI TL8 408001361 - DIESEL ENGINE



**Sample No:** VCP417680  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 593839 DC MARINE



## SAMPLE INFORMATION

Sample Number	VCP417680	---	---	---
Sample Date	08 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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## OIL CONDITION

Visc @ 100°C	cSt	▲ 11.4	---	---	---
Base Number (BN)	mg KOH/g	■ 5.8	---	---	---
Oxidation (PA)	%	55	---	---	---

## Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. 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 condition of the oil is suitable for further service.

## CONTAMINATION

Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	78	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 2.0	---	---	---
Silicon	ppm	■ 14	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 3	---	---	---

## WEAR METALS

Iron	ppm	■ 25	---	---	---
Copper	ppm	■ 149	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 3	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	■ 2384	---	---	---
Magnesium	ppm	29	---	---	---
Zinc	ppm	■ 1088	---	---	---
Phosphorus	ppm	■ 867	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 14	---	---	---

**Depot:** VOLVO0096  
**Unique No:** 10615940  
**Signed:** Wes Davis  
**Report Date:** 24 Aug 2023



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## GRAPHS

