



# CONSTRUCTION EQUIPMENT

595216 DRINK WATER PETERSON 5710D 40D-2952749 - DIESEL ENGINE



**Sample No:** VCP412623  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 595216 DRINK WATER



## SAMPLE INFORMATION

Sample Number	VCP412623	---	---	---
Sample Date	24 Aug 2023	---	---	---
Machine Hours	841	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	MARGINAL	---	---	---

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## OIL CONDITION

Visc @ 100°C	cSt	█ 12.1	---	---	---
Base Number (BN)	mg KOH/g	█ 9.1	---	---	---
Oxidation (PA)	%	76	---	---	---

## 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. Metal levels are typical for a new component breaking in. 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

Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	71	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	█ 0.0	---	---	---
Fuel	%	▲ 3.8	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 88	---	---	---
Potassium	ppm	█ 42	---	---	---



## WEAR METALS

Iron	ppm	█ 28	---	---	---
Copper	ppm	█ 15	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 19	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 46	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 1719	---	---	---
Magnesium	ppm	█ 500	---	---	---
Zinc	ppm	█ 1117	---	---	---
Phosphorus	ppm	█ 896	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 26	---	---	---

**Depot:** VOLVO0096  
**Unique No:** 10622186  
**Signed:** Wes Davis  
**Report Date:** 01 Sep 2023



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## GRAPHS

