

# OIL ANALYSIS REPORT

# VOLVO PENTA

**VANCOUVER READY MIX 60782 47192850822091 - DIESEL ENGINE**

**Sample No:** VPA049809

**Oil Type:** CASTROL 10W30

## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA049809   | --- | --- | --- |
| Sample Date   | 02 Nov 2023 | --- | --- | --- |
| Machine Hours | 58736       | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Not Changd  | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

**CULLEN DIESEL POWER - 695335**

9300 192 ST

SURREY, BC

CA V4N 3R8

Contact: Venu Iyer

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## OIL CONDITION

|                |     |      |     |     |     |
|----------------|-----|------|-----|-----|-----|
| Visc @ 100°C   | cSt | 14.0 | --- | --- | --- |
| Oxidation (PA) | %   | 50   | --- | --- | --- |

## CONTAMINATION

|                |     |     |     |     |     |
|----------------|-----|-----|-----|-----|-----|
| Soot %         | %   | 0   | --- | --- | --- |
| Nitration (PA) | %   | 53  | --- | --- | --- |
| Sulfation (PA) | %   | 51  | --- | --- | --- |
| Glycol         | %   | NEG | --- | --- | --- |
| Fuel           | %   | 1   | --- | --- | --- |
| Silicon        | ppm | 5   | --- | --- | --- |
| Sodium         | ppm | 3   | --- | --- | --- |
| Potassium      | ppm | 2   | --- | --- | --- |

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Light fuel dilution occurring. No other contaminants were detected in the oil. Viscosity of sample indicates oil is within SAE 40 range, advise investigate. The condition of the oil is acceptable for the time in service.

## WEAR METALS

|            |     |    |     |     |     |
|------------|-----|----|-----|-----|-----|
| Iron       | ppm | 3  | --- | --- | --- |
| Copper     | ppm | 3  | --- | --- | --- |
| Lead       | ppm | <1 | --- | --- | --- |
| Tin        | ppm | 0  | --- | --- | --- |
| Aluminum   | ppm | 1  | --- | --- | --- |
| Chromium   | ppm | 0  | --- | --- | --- |
| Molybdenum | ppm | 5  | --- | --- | --- |
| Nickel     | ppm | <1 | --- | --- | --- |
| Titanium   | ppm | 0  | --- | --- | --- |
| Silver     | ppm | <1 | --- | --- | --- |
| Manganese  | ppm | 0  | --- | --- | --- |
| Vanadium   | ppm | 0  | --- | --- | --- |

## ADDITIVES

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Calcium    | ppm | 1300 | --- | --- | --- |
| Magnesium  | ppm | 648  | --- | --- | --- |
| Zinc       | ppm | 745  | --- | --- | --- |
| Phosphorus | ppm | 629  | --- | --- | --- |
| Barium     | ppm | <1   | --- | --- | --- |
| Boron      | ppm | 81   | --- | --- | --- |

**Depot:** CULSUR

**Unique No:** 5672387

**Signed:** Bill Quesnel

**Report Date:** 10 Nov 2023

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## GRAPHS

