

OIL ANALYSIS REPORT

VOLVO PENTA

CUMMINS 74084702 - PORT DIESEL ENGINE

Sample No: VPA055921

Oil Type: {unknown}

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA055921 | --- | --- | --- |
| Sample Date | 21 Jun 2024 | --- | --- | --- |
| Machine Hours | 200 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Not Changd | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

OIL CONDITION

| | | | | | |
|------------------|----------|---------|-----|-----|-----|
| Visc @ 100°C | cSt | █ 14.29 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | █ 8.3 | --- | --- | --- |
| Oxidation (PA) | % | 65 | --- | --- | --- |

CONTAMINATION

| | | | | | |
|----------------|-----|-------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Soot % | % | █ 0.1 | --- | --- | --- |
| Nitration (PA) | % | 49 | --- | --- | --- |
| Sulfation (PA) | % | 55 | --- | --- | --- |
| Glycol | % | NEG | --- | --- | --- |
| Fuel | % | <1.0 | --- | --- | --- |
| Silicon | ppm | █ 4 | --- | --- | --- |
| Sodium | ppm | █ <1 | --- | --- | --- |
| Potassium | ppm | █ 9 | --- | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 6 | --- | --- | --- |
| Copper | ppm | █ 9 | --- | --- | --- |
| Lead | ppm | █ <1 | --- | --- | --- |
| Tin | ppm | █ <1 | --- | --- | --- |
| Aluminum | ppm | █ 3 | --- | --- | --- |
| Chromium | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ 4 | --- | --- | --- |
| Nickel | ppm | █ <1 | --- | --- | --- |
| Titanium | ppm | █ <1 | --- | --- | --- |
| Silver | ppm | █ <1 | --- | --- | --- |
| Manganese | ppm | <1 | --- | --- | --- |
| Vanadium | ppm | <1 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 2076 | --- | --- | --- |
| Magnesium | ppm | █ 23 | --- | --- | --- |
| Zinc | ppm | █ 1101 | --- | --- | --- |
| Phosphorus | ppm | █ 1038 | --- | --- | --- |
| Barium | ppm | █ 1 | --- | --- | --- |
| Boron | ppm | █ 196 | --- | --- | --- |

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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. 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 acceptable for the time in service.

Depot: VP615083
Unique No: 11098536
Signed: Doug Bogart
Report Date: 25 Jun 2024

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GRAPHS

