

OIL ANALYSIS REPORT



180016789 MTU 95130500168 - COOLANT

Sample No: VPA060343
Oil Type: EXTENDED LIFE COOLANT

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA060343 | --- | --- | --- |
| Sample Date | 01 Dec 2023 | --- | --- | --- |
| Machine Hours | 112 | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |

CULLEN DIESEL POWER - 695335

9300 192 ST
 SURREY, BC
 CA V4N 3R8
 Contact: Michelle Sayers
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COOLANT CONDITION

| | | | | | |
|--------------------|------------|------|-----|-----|-----|
| Boron | ppm | 16 | --- | --- | --- |
| Phosphorus | ppm | 14 | --- | --- | --- |
| Sodium | ppm | 6627 | --- | --- | --- |
| Potassium | ppm | 8341 | --- | --- | --- |
| Silicon | ppm | 14 | --- | --- | --- |
| pH | Scale 0-14 | 6.72 | --- | --- | --- |
| Reserve Alkalinity | Scale 0-20 | 2.0 | --- | --- | --- |
| Molybdenum | ppm | 145 | --- | --- | --- |
| Nitrites | ppm | 480 | --- | --- | --- |
| Percentage Glycol | % | 54.8 | --- | --- | --- |
| Freezing Point | °C | -45 | --- | --- | --- |

Diagnosis

We recommend that you drain the system and refill with a 50/50 long-life coolant/water mixture. Resample at the next service interval to monitor. All metal levels are normal indicating no corrosion in the cooling system. There is no indication of any contamination in the coolant. The pH is low which causes rust formation. The reserve alkalinity of this fluid is acceptable.

CONTAMINATION

| | | | | | |
|--------------------|--------|--------|-----|-----|-----|
| Magnesium | ppm | 7 | --- | --- | --- |
| Calcium | ppm | 8 | --- | --- | --- |
| Coolant Appearance | | Clear | --- | --- | --- |
| Coolant Color | | Orange | --- | --- | --- |
| Sand/Dirt | scalar | NONE | --- | --- | --- |
| Debris | scalar | VLITE | --- | --- | --- |
| Precipitate | scalar | NONE | --- | --- | --- |
| Silt | scalar | NONE | --- | --- | --- |

CORROSION

| | | | | | |
|----------|-----|---|-----|-----|-----|
| Iron | ppm | 0 | --- | --- | --- |
| Aluminum | ppm | 1 | --- | --- | --- |
| Copper | ppm | 0 | --- | --- | --- |
| Lead | ppm | 0 | --- | --- | --- |
| Tin | ppm | 0 | --- | --- | --- |

Depot: CULSUR
Unique No: 5696714
Signed: Kevin Marson
Report Date: 18 Dec 2023

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

