

OIL ANALYSIS REPORT

VOLVO PENTA

E120336104 - CENTER GENSET

Sample No: VPA060678

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA060678 | --- | --- | --- |
| Sample Date | 13 Mar 2024 | --- | --- | --- |
| Machine Hours | 0 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | N/A | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

ADVANCED DIESEL

1029 INDUSTRIAL BLVD, UNIT 2
NAPLES, FL
US 34104
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OIL CONDITION

| | | | | | |
|------------------|----------|---------|-----|-----|-----|
| Visc @ 100°C | cSt | █ 14.19 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | █ 7.2 | --- | --- | --- |
| Oxidation (PA) | % | 51 | --- | --- | --- |

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.

CONTAMINATION

| | | | | | |
|----------------|-----|------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Soot % | % | █ 0 | --- | --- | --- |
| Nitration (PA) | % | 55 | --- | --- | --- |
| Sulfation (PA) | % | 46 | --- | --- | --- |
| Glycol | % | NEG | --- | --- | --- |
| Fuel | % | <1.0 | --- | --- | --- |
| Silicon | ppm | █ 6 | --- | --- | --- |
| Sodium | ppm | █ 1 | --- | --- | --- |
| Potassium | ppm | █ <1 | --- | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 1 | --- | --- | --- |
| Copper | ppm | █ 1 | --- | --- | --- |
| Lead | ppm | █ 0 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | █ 2 | --- | --- | --- |
| Chromium | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ 72 | --- | --- | --- |
| Nickel | ppm | █ 0 | --- | --- | --- |
| Titanium | ppm | █ 0 | --- | --- | --- |
| Silver | ppm | █ 0 | --- | --- | --- |
| Manganese | ppm | █ <1 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 2000 | --- | --- | --- |
| Magnesium | ppm | █ 40 | --- | --- | --- |
| Zinc | ppm | █ 1079 | --- | --- | --- |
| Phosphorus | ppm | █ 924 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 101 | --- | --- | --- |

Depot: VPADVNAP
Unique No: 10928793
Signed: Doug Bogart
Report Date: 15 Mar 2024

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GRAPHS

