

OIL ANALYSIS REPORT

VOLVO PENTA

AMERICAN DREAM VOLVO PENTA 2013715551 - PORT DIESEL ENGINE

Sample No: VPA059934
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA059934 | --- | --- | --- |
| Sample Date | 06 Mar 2024 | --- | --- | --- |
| Machine Hours | 2157 | --- | --- | --- |
| Oil Hours | 384 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

Marine International Diesels Inc.
3600 HACIENDA BLVD UNIT G
DAVIE, FL
US 33314
Contact: ASHANTI BURKE
aburke@midiflorida.com
T: (954)761-1086
F: (954)761-1186

OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 100°C | cSt | █ 13.9 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | █ 8.5 | --- | --- | --- |
| Oxidation (PA) | % | 60 | --- | --- | --- |

Diagnosis

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 % | % | █ 0.8 | --- | --- | --- |
| Nitration (PA) | % | 63 | --- | --- | --- |
| Sulfation (PA) | % | 57 | --- | --- | --- |
| Glycol | % | NEG | --- | --- | --- |
| Fuel | % | < 1.0 | --- | --- | --- |
| Silicon | ppm | █ 5 | --- | --- | --- |
| Sodium | ppm | █ 2 | --- | --- | --- |
| Potassium | ppm | █ 0 | --- | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Iron | ppm | █ 14 | --- | --- | --- |
| Copper | ppm | █ 31 | --- | --- | --- |
| Lead | ppm | █ 0 | --- | --- | --- |
| Tin | ppm | █ < 1 | --- | --- | --- |
| Aluminum | ppm | █ 2 | --- | --- | --- |
| Chromium | ppm | █ < 1 | --- | --- | --- |
| Molybdenum | ppm | █ 61 | --- | --- | --- |
| Nickel | ppm | █ 0 | --- | --- | --- |
| Titanium | ppm | █ 0 | --- | --- | --- |
| Silver | ppm | █ 0 | --- | --- | --- |
| Manganese | ppm | █ < 1 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 1042 | --- | --- | --- |
| Magnesium | ppm | █ 971 | --- | --- | --- |
| Zinc | ppm | █ 1215 | --- | --- | --- |
| Phosphorus | ppm | █ 1050 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 4 | --- | --- | --- |

Depot: VP694356
Unique No: 10928259
Signed: Don Baldrige
Report Date: 18 Mar 2024

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

