

OIL ANALYSIS REPORT

VOLVO PENTA

WEILANDW 3194008156 - STARBOARD TRANSMISSION (MANUAL)

Sample No: VPA055972

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA055972 | --- | --- | --- |
| Sample Date | 14 Aug 2023 | --- | --- | --- |
| Machine Hours | 1878 | --- | --- | --- |
| Oil Hours | 170 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |

OIL CONDITION

| | | | | | |
|----------------------|-------|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 101 | --- | --- | --- |
| Visc @ 100°C | cSt | █ 15.0 | --- | --- | --- |
| Viscosity Index (VI) | Scale | 155 | --- | --- | --- |

CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Silicon | ppm | █ 19 | --- | --- | --- |
| Sodium | ppm | █ 36 | --- | --- | --- |
| Potassium | ppm | █ 4 | --- | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| PQ | | █ 36 | --- | --- | --- |
| Iron | ppm | ▲ 381 | --- | --- | --- |
| Copper | ppm | █ 12 | --- | --- | --- |
| Lead | ppm | █ <1 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | █ 12 | --- | --- | --- |
| Chromium | ppm | █ 3 | --- | --- | --- |
| Molybdenum | ppm | █ 2 | --- | --- | --- |
| Nickel | ppm | ▲ 6 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | █ 0 | --- | --- | --- |
| Manganese | ppm | █ 4 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | 8 | --- | --- | --- |
| Magnesium | ppm | █ 6 | --- | --- | --- |
| Zinc | ppm | 19 | --- | --- | --- |
| Phosphorus | ppm | █ 1406 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 252 | --- | --- | --- |

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Diagnosis

The fluid change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Iron and nickel ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is no indication of any contamination in the fluid. The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VP99258814
Unique No: 5632617
Signed: Kevin Marson
Report Date: 01 Sep 2023

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GRAPHS

