

OIL ANALYSIS REPORT

VOLVO PENTA

GUMMELS PAC507794 VOLVO PENTA 3200003046 - CENTER IPS

Sample No: VPA060494

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VPA060494 | VPA043651 | --- | --- |
| Sample Date | 05 Sep 2023 | 17 Mar 2023 | --- | --- |
| Machine Hours | 75 | 40 | --- | --- |
| Oil Hours | 75 | 40 | --- | --- |
| Oil Changed | Not Changd | Not Changd | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

FLORIDA DETROIT DIESEL - 531006 - 1125774

1128 CHESTNUT AVE

PANAMA CITY, FL

US 32401

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F:

OIL CONDITION

| | | | | | |
|-------------|-----|-------------|-----|-----|-----|
| Visc @ 40°C | cSt | 99.5 | 102 | --- | --- |
|-------------|-----|-------------|-----|-----|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|-----------|----|-----|-----|
| Silicon | ppm | 4 | 4 | --- | --- |
| Sodium | ppm | 4 | 4 | --- | --- |
| Potassium | ppm | 11 | 10 | --- | --- |

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

| | | | | | |
|------------|-----|--------------|----|-----|-----|
| PQ | | 16 | 16 | --- | --- |
| Iron | ppm | 18 | 15 | --- | --- |
| Copper | ppm | 7 | 5 | --- | --- |
| Lead | ppm | <1 | 0 | --- | --- |
| Tin | ppm | 0 | 0 | --- | --- |
| Aluminum | ppm | 2 | 2 | --- | --- |
| Chromium | ppm | <1 | <1 | --- | --- |
| Molybdenum | ppm | 0 | <1 | --- | --- |
| Nickel | ppm | <1 | <1 | --- | --- |
| Titanium | ppm | 0 | <1 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 3 | 3 | --- | --- |
| Vanadium | ppm | 0 | <1 | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|-------------|------|-----|-----|
| Calcium | ppm | 25 | 27 | --- | --- |
| Magnesium | ppm | 910 | 904 | --- | --- |
| Zinc | ppm | 11 | 10 | --- | --- |
| Phosphorus | ppm | 1566 | 1537 | --- | --- |
| Barium | ppm | 2 | 0 | --- | --- |
| Boron | ppm | 648 | 593 | --- | --- |

Depot: VPFLOPAN

Unique No: 10635444

Signed: Don Baldrige

Report Date: 10 Sep 2023

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PENTA**

GRAPHS

