

OIL ANALYSIS REPORT

JX1369-L36

Component

Gasoline Engine

PENNZOIL 0W30 (--- QTS)

Sample Rating Trend **NORMAL**

Recommendation

Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data updates.

All component wear rates are normal.

Contamination

Fuel content negligible. The water content is negligible. There is no indication of any contamination in the oil.

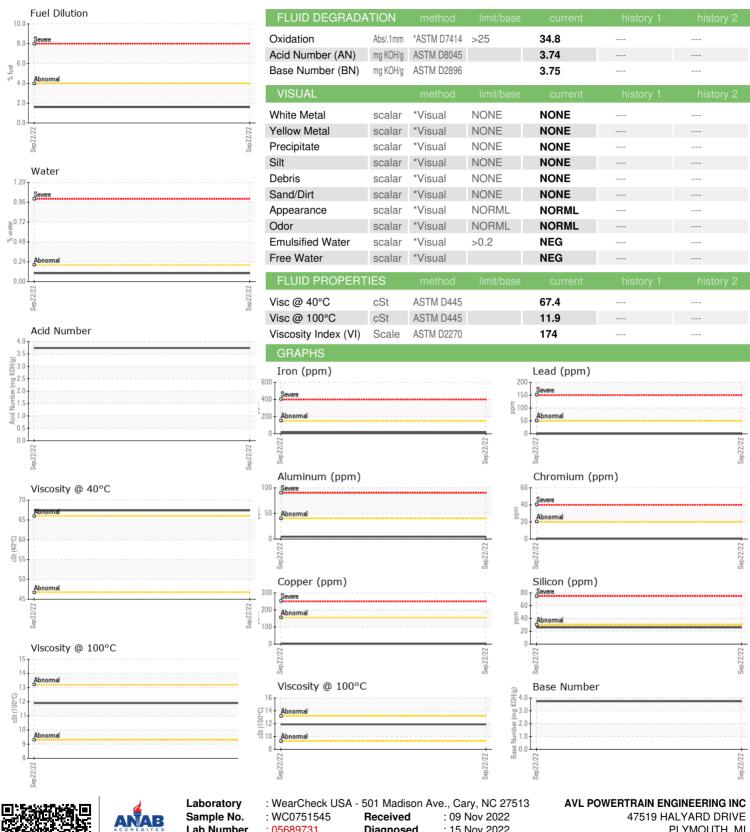
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| | | | | Sep 2022 | | |
|---------------|-----------|-------------|------------|-------------|-----------|-----------|
| SAMPLE INFORM | MATION | method | limit/base | current | history 1 | history 2 |
| | ., (11011 | | mmusacc | | | , |
| Sample Number | | Client Info | | WC0751545 | | |
| Sample Date | luna a | Client Info | | 22 Sep 2022 | | |
| Machine Age | kms | Client Info | | 294363 | | |
| Oil Age | kms | Client Info | | 10106 | | |
| Oil Changed | | Client Info | | Not Changd | | |
| Sample Status | | | | NORMAL | | |
| CONTAMINATION | ١ | method | limit/base | current | history 1 | history 2 |
| Glycol | | WC Method | | NEG | | |
| WEAR METALS | | method | limit/base | current | history 1 | history 2 |
| Iron | ppm | ASTM D5185m | >150 | 16 | | |
| Chromium | ppm | ASTM D5185m | >20 | <1 | | |
| Nickel | ppm | ASTM D5185m | >5 | <1 | | |
| Titanium | ppm | ASTM D5185m | | 0 | | |
| Silver | ppm | ASTM D5185m | >2 | <1 | | |
| Aluminum | ppm | ASTM D5185m | >40 | 5 | | |
| Lead | ppm | ASTM D5185m | >50 | 0 | | |
| Copper | ppm | ASTM D5185m | >155 | 1 | | |
| Tin | ppm | ASTM D5185m | >10 | <1 | | |
| Vanadium | ppm | ASTM D5185m | | <1 | | |
| Cadmium | ppm | ASTM D5185m | | 0 | | |
| ADDITIVES | | method | limit/base | current | history 1 | history 2 |
| Boron | ppm | ASTM D5185m | | 133 | | |
| Barium | ppm | ASTM D5185m | | 0 | | |
| Molybdenum | ppm | ASTM D5185m | | 3 | | |
| Manganese | ppm | ASTM D5185m | | <1 | | |
| Magnesium | ppm | ASTM D5185m | | 19 | | |
| Calcium | ppm | ASTM D5185m | | 1588 | | |
| Phosphorus | ppm | ASTM D5185m | | 577 | | |
| Zinc | ppm | ASTM D5185m | | 830 | | |
| Sulfur | ppm | ASTM D5185m | | 1925 | | |
| CONTAMINANTS | | method | limit/base | current | history 1 | history 2 |
| Silicon | ppm | ASTM D5185m | >30 | 26 | | |
| Sodium | ppm | ASTM D5185m | | 4 | | |
| Potassium | ppm | ASTM D5185m | >20 | 0 | | |
| Fuel | % | ASTM D3524 | >4.0 | 1.6 | | |
| Water | % | ASTM D6304 | >0.2 | 0.101 | | |
| ppm Water | ppm | ASTM D6304 | >2000 | 1010 | | |
| INFRA-RED | | method | limit/base | current | history 1 | history 2 |
| Soot % | % | *ASTM D7844 | | 0.1 | | |
| | | | | | | |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 15.8 | | |



OIL ANALYSIS REPORT





Lab Number **Unique Number**

: 05689731

: 10214304

Diagnosed

: 15 Nov 2022 Diagnostician : Jonathan Hester PLYMOUTH, MI US 48170-2438

Test Package : MOB 2 (Additional Tests: fueldilution, KF, KV40, PercentFuel, TBN, VI) Contact: Service Manager Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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