



# OIL REPORT

LAB NUMBER: S430347  
REPORT DATE: 7/13/2026  
CODE: 63/1,193

UNIT ID: N934PH  
CLIENT ID: 295037  
PAYMENT: CC: Visa

|      |                                                          |                                            |
|------|----------------------------------------------------------|--------------------------------------------|
| UNIT | EQUIP. MAKE/MODEL: Lycoming IO-540-K1A5                  | OIL TYPE & GRADE: Phillips XC (A/C) 20W/50 |
|      | FUEL TYPE: Gasoline (Leaded)                             | OIL USE INTERVAL: 36 Hours                 |
|      | ADDITIONAL INFO: Piper PA32-300 Cherokee, S/N: L-8402-48 |                                            |

|        |                        |                             |
|--------|------------------------|-----------------------------|
| CLIENT | JAN MOON               | PHONE: (360) 480-9599       |
|        | ON CENTERLINE AVIATION | FAX:                        |
|        | 466 SW VALERIA VIEW DR | ALT PHONE:                  |
|        | #303                   | EMAIL: jan@oncenterline.net |
|        | PORTLAND, OR 97225     |                             |

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COMMENTS | JAN: We have some history for this engine serial number, but it's under another tail number (N8203L -- or maybe N8203C; the writing is kind of hard to read). If you want us to include the old history, just let us know what tail number that history is under. This sample looks pretty good, though. Metals are all within average ranges for this engine type, with the averages being based on 35-hour runs. The viscosity read a little thick, but as long as the oil temp hasn't been running too hot, a slightly thick viscosity usually doesn't hurt anything. No contamination was found. |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| ELEMENTS IN PARTS PER MILLION | MI/HR on Oil      | 36       | UNIT / LOCATION AVERAGES |      |  |  |  |  | UNIVERSAL AVERAGES |
|-------------------------------|-------------------|----------|--------------------------|------|--|--|--|--|--------------------|
|                               | MI/HR on Unit     | 2,478    |                          |      |  |  |  |  |                    |
|                               | Sample Date       | 7/9/2026 |                          |      |  |  |  |  |                    |
|                               | Make Up Oil Added |          |                          |      |  |  |  |  |                    |
|                               |                   |          |                          |      |  |  |  |  |                    |
|                               | ALUMINUM          | 5        |                          | 5    |  |  |  |  | 7                  |
|                               | CHROMIUM          | 1        |                          | 1    |  |  |  |  | 4                  |
|                               | IRON              | 27       |                          | 27   |  |  |  |  | 29                 |
|                               | COPPER            | 2        |                          | 2    |  |  |  |  | 6                  |
|                               | LEAD              | 3500     |                          | 3500 |  |  |  |  | 3747               |
|                               | TIN               | 0        |                          | 0    |  |  |  |  | 1                  |
|                               | MOLYBDENUM        | 2        |                          | 2    |  |  |  |  | 0                  |
|                               | NICKEL            | 2        |                          | 2    |  |  |  |  | 2                  |
|                               | MANGANESE         | 0        |                          | 0    |  |  |  |  | 0                  |
|                               | SILVER            | 0        |                          | 0    |  |  |  |  | 0                  |
|                               | TITANIUM          | 0        |                          | 0    |  |  |  |  | 0                  |
|                               | POTASSIUM         | 0        |                          | 0    |  |  |  |  | 0                  |
|                               | BORON             | 0        |                          | 0    |  |  |  |  | 1                  |
|                               | SILICON           | 4        |                          | 4    |  |  |  |  | 6                  |
|                               | SODIUM            | 1        |                          | 1    |  |  |  |  | 1                  |
|                               | CALCIUM           | 0        |                          | 0    |  |  |  |  | 30                 |
|                               | MAGNESIUM         | 1        |                          | 1    |  |  |  |  | 6                  |
|                               | PHOSPHORUS        | 25       |                          | 25   |  |  |  |  | 555                |
|                               | ZINC              | 0        |                          | 0    |  |  |  |  | 4                  |
|                               | BARIIUM           | 0        |                          | 0    |  |  |  |  | 0                  |

Values  
Should Be\*

|            |                       |       |           |  |  |  |  |  |
|------------|-----------------------|-------|-----------|--|--|--|--|--|
| PROPERTIES | SUS Viscosity @ 210°F | 113.2 | 86-105    |  |  |  |  |  |
|            | cSt Viscosity @ 100°C | 23.42 | 17.0-21.8 |  |  |  |  |  |
|            | Flashpoint in °F      | 485   | >440      |  |  |  |  |  |
|            | Fuel %                | <0.5  | <1.0      |  |  |  |  |  |
|            | Antifreeze %          | -     |           |  |  |  |  |  |
|            | Water %               | 0.0   | 0.0       |  |  |  |  |  |
|            | Insolubles %          | 0.2   | <0.6      |  |  |  |  |  |
|            | TBN                   |       |           |  |  |  |  |  |
|            | TAN                   |       |           |  |  |  |  |  |
|            | ISO Code              |       |           |  |  |  |  |  |

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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