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ANSWER COLUMN

Q: Why does my mechanic recommend AeroShell Oil W 15W-50 and not one of the lower-priced mineral oil multi-grades? What's the difference?

A: A lot of people use multi-grade oils, which gives them the advantage of not changing oil grades based on changes in ambient temperatures. When formulated correctly, cold temperature performance of a multi-grade can be far better than a single grade oil. AeroShell Oil W 15W-50 has some key advantages over conventional mineral-based multi-grade oils.

In multi-grade oils, the low-temperature performance is indicated by the first number in the designation. The higher the number the more viscous, or resistant to flow, the oil will be in cold temperatures. In other words, a 20W oil will flow more slowly at low temperatures than a 15W oil. AeroShell Oil W 15W-50 has the lowest cold-temperature rating of any SAE J-1899 approved oil. It has been specially formulated to provide optimized oil flow at start-up, getting oil to critical parts faster to help prevent premature engine wear – and the resulting repair expense.

Another benefit of AeroShell Oil W 15W-50 is that it has the highest synthetic oil content of any aviation piston oil on the market. This synthetic oil content provides lower oxidation rates, longer oil life, and better resistance to thermal stress. This means that AeroShell Oil W 15W-50 relies less on the viscosity-changing additives that lower-priced mineral multi-grade oils need to achieve multi-grade characteristics. Early on, Shell learned that these viscosity-changing additives could negatively affect oil performance. It was this knowledge that led to the development of AeroShell Oil W 15W-50, the world's first semi-synthetic aviation piston engine oil.

If your reason for selecting a multi-grade oil is to get cold start-up protection, why not use the oil with the lowest cold-temperature rating of any SAE J 1899 multi-grade – AeroShell Oil W 15W-50.

For more detailed information, visit www.aeroshell.com.



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This column is brought to you by AeroShell. Do you have a question? Visit www.AeroShell.com, call 1-800-231-6950 or write to THE ANSWER COLUMN, 1001 Fannin, Suite 500, Houston, TX 77002.

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