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aviation fuels are petroleum based fuels or petroleum and synthetic fuel blends used to power aircraft they have more stringent requirements than fuels used for ground use such as heating and road transport and contain additives to enhance or maintain properties important to fuel performance or handling jet fuel plays a key role in aviation powering aircraft engines and facilitating efficient air travel let s delve into the history composition and different types of jet fuel and explore how it differs from gasoline we ll also examine the future of sustainable jet fuel including biofuels jet fuel or aviation turbine fuel atf also abbreviated avtur is a type of aviation fuel designed for use in aircraft powered by gas turbine engines it is colorless to straw colored in appearance the most commonly used fuels for commercial aviation are jet a and jet a 1 which are produced to a standardized international specification there are many types of aviation fuel with distinct uses qualities and specifications while most of these fuels are fossil based new forms of sustainable fuel such as biofuels and electric batteries are being researched aviation fuel types for general use there are two main types of aviation fuel used in general aviation jet fuel and what is aviation fuel aviation fuel is more than just a propellant it s the lifeblood of aircraft it s specifically designed and formulated for airborne vehicles ensuring they operate efficiently at varying altitudes and conditions its composition boasts a precise blend of hydrocarbons tailored to provide the required energy maintain there are two types of fuels used in aviation namely petroleum based and synthetic fuel blends photo mikedotta shutterstock summary different aviation fuel types include jet a jet a 1 jet b ts 1 jp 8 jp 4 and avgas each catering to specific needs sustainable aviation fuel safe reliable low carbon saf is a biofuel used to power aircraft that has similar properties to conventional jet fuel but with a smaller carbon footprint depending on the feedstock and technologies used to produce it saf

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