

Opt-in Carbon Neutral Jet A1

Description



Viva Energy Opt-in Carbon Neutral Jet A1 is a Climate Active certified product that has undergone rigorous carbon footprint analysis to achieve carbon neutral certification against the Australian Government's Climate Active Carbon Neutral Standard. The purchase of carbon offsets has been used to cancel out greenhouse gas emissions associated with the extraction, transportation, manufacture, supply and combustion of Opt-in Carbon Neutral Jet A1, by investing in projects that reduce or remove emissions. There are no physical changes to the product so there are no changeover or operability concerns and the product can be used in accordance to applications and specifications as detailed below.

Jet A-1 is the main fuel used by turbine engine civil commercial aircraft. Jet A-1 is a kerosine type fuel manufactured to stringent internationally agreed specifications.

From refinery to aircraft tank, the fuel is checked by sampling and laboratory analysis to ensure high cleanliness of fuel and conformance to specification when it is delivered to aircraft.

Jet A-1 is manufactured and supplied to airports from quality assured and regularly audited Energy Institute (EI)/JIG 1530 compliant supply chains.

Alternatively known as JET A-1 CO2 NEUTRAL.

Performance Features

Jet A-1 is manufactured in compliance with the requirements as defined in the UK Ministry of Defence (MoD) Defence Standard 91-091 and the Joint Inspection Group (JIG) Aviation Fuel Quality Requirements for Jointly Operated Systems (AFQRJOS) Checklist.

Compliance with the AFQRJOS Checklist also ensures compliance with Table 1 requirements of the American Society of Testing and Materials (ASTM) D1655 aviation fuel quality standards for Jet A-1.

Applications

Jet A-1, aviation turbine fuel is used in turbo-fan, turbo-jet and turbo-prop engines in fixed and rotary wing aircraft. This grade of fuel is the most widely used Aviation turbine fuel used in the world.

Jet A-1 may also be used as the base fuel for various Military grades of aviation fuels when blended with the correct additives.

Health, Safety and Environment

Jet A-1 is a flammable liquid, classified as a Dangerous Goods Class 3 Packaging Group II for transportation purposes. Avoid contact with the skin and eyes, and breathing vapours or mists.

Guidance on health and safety is available on the appropriate Material Safety Data Sheet which can be obtained from the Viva Energy Technical Help Desk or from www.vivaenergy.com.au

Storage

Storage and handling of aviation fuel in accordance with recommendations laid out in EI1530, Joint Inspection Group guidelines and AS1940 standards is recommended to ensure preservation of fuel quality and observation of safety / regulatory requirements.

Specifications / Approvals / Recommendations

Climate Active Carbon Neutral Product

Viva Energy Jet A1 is manufactured to meet the specifications of:

British Specification (UK MoD)	DEF STAN 91-091 latest Issue
USA Specification (ASTM)	ASTM D1655 (Jet A-1) latest issue
NATO Code	Avtur F-35
JIG AFQRJOS Checklist	Latest Version

Typical Physical Characteristics

Properties	Methods	Typical
Total Acidity	ASTM D3242	0.015 mg KOH/g max
Aromatics	ASTM D1319	25% v/v max
Sulphur	IP 336	0.3% m/m max
Flash Point	IP 170	38.0 °C min
Density @ 15°C	ASTM D4052	775-840 kg/m ³
Freeze Point	ASTM D2386	-47°C max
Smoke Point	IP 57	19 mm

Technical Help Desk

Phone	1300 134 205
Email	technicalhelpdesk@vivaenergy.com.au

