

SHELL AVGAS 100

PISTON ENGINE AIRCRAFT FUEL

DESCRIPTION

Shell Avgas 100 is a gasoline fuel for reciprocating piston engined aircraft. Avgas 100 has lean mixture octane rating of better than 100 whilst its rich mixture octane rating exceeds 130. The combustion performance is equivalent to Avgas 100 LL. Avgas 100 has a maximum lead content of less than 0.85 gm/ litre. Avgas 100 is also known as Avgas 100/130.

Shell Avgas 100 is dyed green for ease of identification

Shell Avgas is produced to stringent manufacturing specifications. At various stages from refinery manufacture to the final delivery to the aircraft fuel tank, the fuel quality is checked to ensure that fuel is clean, dry and free from contaminator

Shell Avgas 100 meets British Military Standard DEF STAN 91-90: 1996 and US Civil Specification D 910

HEALTH & SAFETY

Shell Avgas 100 is a highly flammable liquid. Classified as a Dangerous Goods Class 3 PG I for transportation purposes. Avgas contains tetraethyl lead, avoid contact with the skin and eyes, and breathing vapours or mist.

For further guidance on Product Health & Safety refer to the appropriate Shell Material Safety Data Sheet.

SPECIFICATIONS/APPROVALS

US	ASTM - 910
(British)	DEF STAN 91-90
NATO	F-18
Joint Service Designation	F-18

SHELL AVGAS 100

PISTON ENGINE AIRCRAFT FUEL

TYPICAL CHARACTERISTICS

DESCRIPTION	UNITS	METHODS	TYPICAL
APPEARANCE	VISUAL	-	Clear & Bright
DENSITY @ 15°C	kg/L	-	0.697
COLOUR	-	-	Green
KNOCK RATING LEAN MIXTURE	PN	-	131
RICH MIXTURE	PN	-	101
TETRAETHYL LEAD	g Pb /L	-	0.80
SPECIFIC ENERGY	MJ/kg	-	44
REID VAPOUR PRESSURE	kPA	-	44

Document Information

PDS Number:	00533
Date Revised:	11/12/1998