

Excerpts of Robinson R44 II Pilot's Operating Handbook

NTSB Investigation: ERA21LA295

KINDS OF OPERATION LIMITATIONS

VFR day and night operations are approved.

VFR operation at night is permitted only when landing, navigation, instrument, and anti-collision lights are operational. Orientation during night flight must be maintained by visual reference to ground objects illuminated solely by lights on the ground or adequate celestial illumination.

Note: There may be additional requirements in countries outside the United States.

FUEL LIMITATIONS

APPROVED FUEL GRADES

Grade	Color	Specification
100	Green	ASTM D910
100LL	Blue	
100VLL	Blue	
B95/130	Amber	GOST 1012-72 Russian National Standard

FUEL CAPACITY

	Total Capacity US gallons (liters)	Usable Capacity US gallons (liters)
Tanks with bladders:		
Main tank	30.5 (115)	29.5 (112)
Auxiliary tank	17.2 (65)	17.0 (64)
Combined capacity	47.7 (180)	46.5 (176)
Tanks without bladders:		
Main tank	31.6 (120)	30.6 (116)
Auxiliary tank	18.5 (70)	18.3 (69)
Combined capacity	50.1 (190)	48.9 (185)

Note: Per R44 Service Bulletin SB-78B, fuel tanks without bladders should no longer be in service.