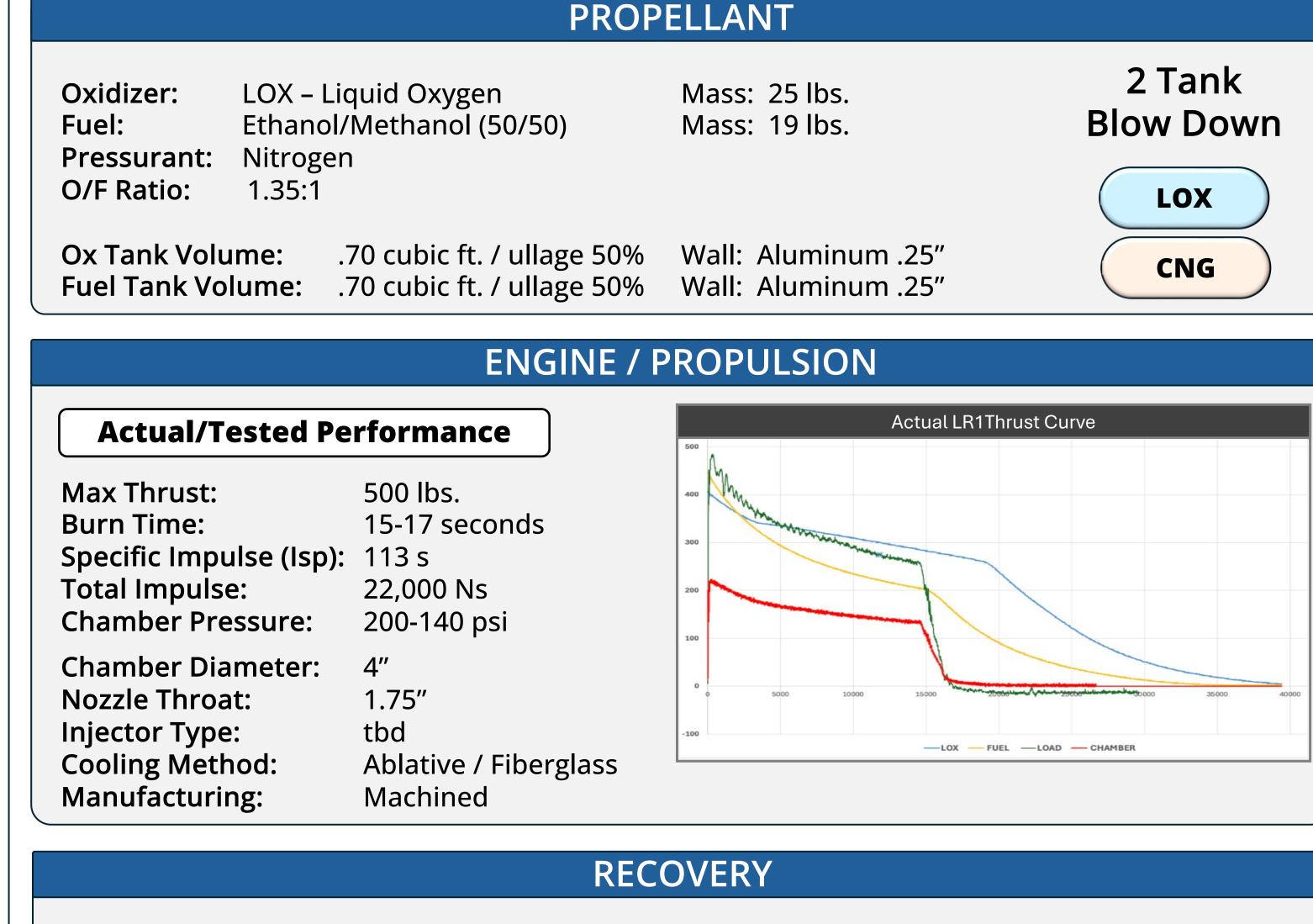


Vent Valves

Fuel/Alcohol Tank

Rec

논



GPS/Tracking:

Altimeters:

TeleMega (primary) Eggtimer Proton (backup) TeleMega GPS tracker



Main Parachute

22' Rocketman

Drogue

5' Ballistic

LIQUID

LAUNCHED

x 10

GROUND SUPPORT SYSTEMS (GSE)

Control Type: Direct control Custom Arduino-based MCU Software: **Custom GSE Software**

GSE/Rocket Safety Systems

- Relief Valves
- Vent valves
- REDS integration (Emergency depressurization)

WHAT MAKES THIS ROCKET SPECIAL?

- It is designed to be a basic pre-built kit rocket for students
- It is designed to be reliable with low-cost and rapid reuse

CURRENT STATUS / TEST RESULTS

- LR1 has completed three test flights
 - TF1 was successful but the main chute failed to deploy resulting in a hard landing and some minor damage.
 - TF2 and TF3 were both very successful flights with minor anomalies
- LR1 has completed three static fires (two rocket and one engine)
- The next version (Block 2) is being built and will serve as the production version for students Updated 8/9/2024

