

# UC-1 Sovereign Engine Viability Protocol – Field Sheet

## ■■ ENHANCED FIELD TEST PROTOCOL – “SOVEREIGN QUICKSTART METHOD”

### ■ STEP 1: Free Spin + Compression Check (No Tools)

- Turn the crankshaft by hand or pull cord.
- Feel for consistent compression pulses.
- If loose with no resistance: likely no compression (rebuild needed).

### ■ STEP 2: Spark Verification

- Remove spark plug and reconnect the plug wire.
- Hold the plug thread to the engine block.
- Crank the engine and look for a blue spark at the electrode.

### ■ STEP 3: Coil Output Test (Voltmeter Method)

- Use voltmeter on AC or DC mV (depending on coil type).
- Attach leads across spark lead and block.
- Spin crank – look for a brief voltage pulse (any reading confirms interaction).

### ■ STEP 4: Rotor Shaft Load Test (Optional)

- Tie a lightweight rotor (fan, pulley).
- Spin by hand and listen/feel:  
Smooth = good bearings. Grinding = failure.

### SUMMARY CHECKLIST:

- Spins freely
- Has spark
- Voltage output
- Holds compression

=> ■ GREENLIGHT FOR SOVEREIGN INTEGRATION

