

ENGICOR GRADE A

ENGINE TEST CARD · One card per exported engine

Standardized 5-check protocol · engicor.com · Trade License No. 42971

UNIT SERIAL No.

EC- _____

1 · ENGINE IDENTIFICATION

≈ 2 min

Engine model / code (e.g. 2TR-FE)

Serial number (stamped on block)

Inspection date

Fuel (petrol / diesel)

Container No.

Inspector name

2 · VISUAL CHECK

≈ 3 min

- ☐ No cracks in block or head
- ☐ No broken mounts / bolts
- ☐ Sensors & harness present
- ☐ No heavy sludge / burnt oil
- ☐ Serial number readable

3 · MANUAL ROTATION

≈ 2 min

Turn the crank pulley with a breaker bar: 2 full turns (720°).

- ☐ Rotates smoothly
- ☐ No hard spots
- ☐ No metallic noise

4 · OIL CONDITION

≈ 2 min

Pull the dipstick and open the oil cap. Look and smell.

- ☐ Not milky (no coolant mix)
- ☐ No metal particles
- ☐ No excessive varnish

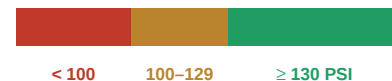
5 · COMPRESSION TEST — THE KEY TEST (all cylinders, throttle open, plugs out)

≈ 8 min

PSI per cylinder (write measured value):

CYL 1	CYL 2	CYL 3	CYL 4	CYL 5	CYL 6

PASS scale (petrol):



RULE 1 — Minimum value

Every cylinder ≥ 130 PSI (petrol) · ≥ 300 PSI (diesel)

RULE 2 — Max. spread between cylinders: 10%

(Highest – Lowest) ÷ Highest ≤ 0.10 e.g. max 180 → min 162

Lowest PSI: _____ Highest PSI: _____ Spread %: **One cylinder fails → the engine is NOT exported as Grade A**

6 · EXPORT PREPARATION (after passing)

≈ 4 min

- ☐ Fluids drained
- ☐ Intake / exhaust capped
- ☐ Oil fog in cylinders (anti-rust)
- ☐ EC- serial label attached

NOTES (visible defects, accessories missing, photos taken):

PASSED — GRADE A

All checks OK · approved for export

REJECTED

Any failed check = not exported · no exceptions

≈ 20 min per engine · 20 ft container (90 units) ≈ 30 labor-hours · 40 ft container (130 units) ≈ 43 labor-hours

Every Grade A engine ships with this card. One engine, one card, one EC- serial.

ENGICOR

engicor.com