

# North Korea's new ICBM engine

Some Western analysts suggest that North Korea's Hwasong-14 (KN-14) intercontinental ballistic missile (ICBM) is powered by a 1960s Soviet-era RD-250 engine, originally designed and built in the Ukraine

**Apr 9, 2016:** Successful test of new rocket engine reveals twin exhaust nozzles and four vernier thrusters to steer rocket

**Mar 18, 2017:** Second successful test of engine.

North Korean leader Kim Jong-un names it

***March 18 revolution engine***

## Hypergolic

**propellant:** UDMH

(unsymmetrical dimethyl hydrazine) fuel and nitrogen tetroxide. Fuel and oxidiser spontaneously ignite on contact

Combustion chamber

Turbine

Vernier thrusters

Nozzle

Fuel pump

Oxidiser boost pump

**Jul 4:** KN-14 first test flight reaches altitude of 2,802km before landing in sea 933km downrange after 39 minute flight

**Jul 28:** Second test reaches height of 3,700km before landing in sea about 1,000km away. **Analysts say missile has range of more than 8,000km and could reach Los Angeles**