

Shell Advance Racing M

Castor Based Racing oil



Advance Racing M is a castor based racing oil with synthetic components. It has been developed especially for 2 stroke karts. It is also recommended for 4 stroke speedway motorcycles and other engines burning alcohol.

Advance Racing M is a race proven technology (kart sport world championship).

Applications

- **2-stroke karts with very high revving two stroke racing engines.**
- **4 stroke speedway motorcycles**
- **Racing engines burning alcohol mixture**

Advance Racing M is not ideally suited for "on road use". Advance Ultra 2 or VSX 2 or Scooter Plus 2 or Scooter 2 are the preferred grades for "on-road" two-stroke engines.

Advance Racing M is non-diluted therefore it is suggested to use it in premixing system with a mixing ratio of 1:16 for karts and 1:25 for motorcycles unless otherwise recommended by engine manufacturer.

Advance Racing M should not be used in outboard engines. The appropriate Shell Nautilus Oil is recommended for this application.

Performance Features and Benefits

- **Ultimate engine protection**
Exceptional protection in the most severe racing conditions even at the highest revving condition of 2 stroke karts. The unique formulation based on castor oil and synthetic components specifically tested for 2 stroke racing engines prevents scuffing, ring sticking and deposit formation

making the engine reliable while maximising power output.

- **Improved acceleration and power output.**
The easy of burning allows fast adaptation to new driver requirements improving acceleration performance and power output. Also the very low ash content minimise spark plug fouling keeping their efficiency high.

Specification and Approvals

Advance Racing M is approved by FIM/FIA-CIK and it has been kart sport world championship. It meets SAE J 300 30 viscosity grade requirements.

Compatibility

Castor based oils like Shell Advance Racing M must never be mixed with conventional mineral oils.

Health and Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet that can be obtained from your Shell representative.

Protect the environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

Typical Physical Characteristics

Advance Racing M			
SAE Viscosity Grade			30
Kinematic Viscosity		ASTM D 445	
at 40°C	mm ² /s		108,0
at 100°C	mm ² /s		12,0
Viscosity Index		ISO 2909	100
Density at 15°C	kg/m ³	ASTM D 4052	0,893
Flash Point COC		ISO 2592	272
Pour Point		ISO 3016	-9

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.