Technical Data Sheet

Shell **Advance** *4T Ultra 15W-50*

100% Synthetic 4 Stroke Motorcycle engine oil

Shell Advance 4T Ultra with PurePlus Technology, is our top-tier 4 stroke motorcycle engine oil. Shell patented PurePlus Technology converts pure natural gas into clear base oil with virtually none of the impurities of crude oil in the starting point for most conventional and synthetic motorcycle oils.
The 100% synthetic Shell Advance 4T Ultra is made from this pure and clear base oil, combined with a motorcycle-specific additive pack with unique Active Cleansing Technology. It helps to cleanse and keep the engine cleaner. A clean motorcycle engine helps provide better engine efficiency, performance and protection. Shell Advance 4T Ultra has been race proven and endorsed by leading motorcycle manufacturers. The product exceeds the requirements of all motorcycle manufacturers.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

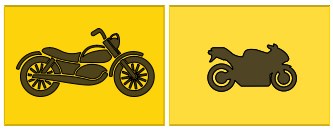
Technology:

Shell PurePlus Technology converts natural gas into a clear base oil with virtually none of the impurities of crude oil.

Shell Active Cleansing Technology helps prevent dirt particles sticking together to form deposits.

- Keeps engine cleaner
- More efficient power delivery & enhanced responsiveness
- Reduces engine noise & vibration
- Protects & prolongs engine life

Main Applications



High-performance air and water-cooled four stroke motorcycle engines, including race-tuned and ones with integral gearboxes and wet clutches.

Specifications, Approvals & Recommendations

The product is available in the following viscosity grades:

- SAE 10W-40 and SAE 15W-50

Both the formulations exceed the following international specification:

- API SN
- JASO MA2
- Advance 4T Ultra 15W-50 is endorsed by Ducati

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Typical Physical Characteristics

Properties			Method	Shell Advance 4T Ultra 15W-50
Kinematic Viscosity	@40°C	mm^2/s	ASTM D445	149
Kinematic Viscosity	@100°C	mm^2/s	ASTM D445	20.5
Viscosity Index			ASTM D2270	160
Density	@15°C	kg/m^3	ASTM D4052	867
Flash Point (COC)		°C	ASTM D92	235
Pour Point		°C	ASTM D97	-30

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

Health, Safety & Environment

- **Health and Safety**

  Shell Advance 4T Ultra 15W-50 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

  Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

  Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from http://www.epc.shell.com

- **Protect the Environment**

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

Additional Information

- **Advice**

  Advice on applications not covered here may be obtained from your Shell representative.