

# Shell Advance 4T Ultra

## Fully Synthetic Motorcycle 4 Stroke engine oil



Advance 4T Ultra with R.C.E Technology is a unique, fully synthetic lubricant designed to provide Shell's ultimate engine protection and performance for all kinds of modern bikes. The latest generation of motorcycle engines require premium synthetic oils to maintain the highest standards of protection and performance, whatever the engine size.

Shell Advance's R.C.E.\* Technology helps your bike perform to its peak potential, making it responsive to your slightest touch.

\*R.C.E. Technology is designed to deliver:

1. Increase oil-performance **R**eliability by helping to remove deposits and maintain oil viscosity to give superior engine protection.
2. Enhanced **C**ontrol by smoothing clutch engagement and preventing slippage.
3. **E**njoyable ride by reducing vibration and damping engine noise.

The technology has been race proven and endorsed by leading motorcycle manufacturers. The product exceeds the requirements of all motorcycle manufacturers.

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### Applications

- *High-performance air and water-cooled four stroke motorcycle engines, including race-tuned and ones with integral gearboxes and wet clutches.*
- *Motorcycle gearboxes that must be lubricated by engine oils, including some gearboxes present in two stroke bikes and scooters.*

### Performance Features and Benefits.

#### Oil performance **R**eliability.

- **Fully Synthetic lubricant**  
Fully synthetic technology designed to offer ultimate protection and oil-performance reliability.
- **Enhanced cleanliness control.**  
Prevention and removal of sludge and engine deposits.
- **Ultimate wear protection.**  
Shell's ultimate protection against valve train wear.

#### Enhanced **C**ontrol.

- **Increased friction control.**  
Optimised friction control for smoother clutch engagement & gear changes.

#### **E**njoyable Ride.

- **Reduced vibration and engine noise.**  
Enhanced shear stability for a quieter and smoother ride.

### Specification and Approvals

The product is available in two different viscosity grades:  
SAE J 300 10W-40,  
and  
SAE J 300 15W-50.

Both the formulations exceed the following international specification:  
API SM,  
JASO MA2

and are endorsed by Ducati.

Advance 4T Ultra exceeds the requirements of all Japanese, European Indian and Chinese motorcycle manufacturers.

### 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 authorised collection point.  
Do not discharge into drains, soil or water.

## Typical Physical Characteristics

Advance 4T Ultra			10W - 40	15W - 50
SAE Viscosity grade			10W - 40	15W - 50
Kinematic Viscosity		ASTM D 445		
	at 40 °C      mm <sup>2</sup> /s		98.6	132.2
	at 100 °C      mm <sup>2</sup> /s		15.8	19.1
Viscosity Index		ISO 2909	172	184
Density at 15 °C      kg/m <sup>3</sup>		ASTM D 4052	858	867
Flash Point COC      °C		ISO 2592	230	235
Pour Point      °C		ISO 3016	-36	-30

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