



# Shell Advance 4T Ultra 15W-50

## Fully Synthetic Motorcycle 4 Stroke engine oil

Shell 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. Increased oil performance Reliability by helping to remove deposits and maintain oil viscosity to give superior engine protection.
2. Enhanced Control by smoothing clutch engagement and preventing slippage.
3. Enjoyable 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.

### DESIGNED TO MEET CHALLENGES

#### Performance, Features & Benefits

##### • Oil performance Reliability

Fully Synthetic lubricant technology designed to offer ultimate protection and oil-performance reliability.

Enhanced cleanliness control: Prevention and removal of sludge and engine deposits.

Ultimate wear protection against valve train wear.

##### • Enhanced Control

Increased friction control; optimised friction control for smoother clutch engagement & gear changes.

##### • Enjoyable Ride

Reduced vibration and engine noise; enhanced shear stability for a quieter and smoother ride.

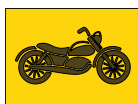
- Motorcycle gearboxes that must be lubricated by engine oils, including some gearboxes present in two stroke bikes and scooters.

#### Specifications, Approvals & Recommendations

- API: SM
- JASO: MA2
- Shell Advance 4T Ultra exceeds the requirements of all Japanese, European, Indian and Chinese motorcycle manufacturers.
- The product is endorsed by Ducati.

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

#### Main Applications



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

## Typical physical characteristics

Properties			Method	Shell Advance 4T Ultra 15W-50
Kinematic Viscosity	@40°C	mm <sup>2</sup> /s	ASTM D445	132.2
Kinematic Viscosity	@100°C	mm <sup>2</sup> /s	ASTM D445	19.1
Viscosity Index			ISO 2909	164
Density	@15°C	kg/m <sup>3</sup>	ASTM D4052	867
Flash Point (COC)		°C	ISO 2592	235
Pour Point		°C	ISO 3016	-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 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 Material 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.