

# Shell Advance 4T AX7

## Synthetic Technology 4 Stroke Motorcycle engine oil



Advance 4T AX7 with R.C.E. Technology is a unique, synthetic technology lubricant ideal for high performance motorbikes. Demanding engines deliver high power and torque and require oil performance reliability under these stressful conditions. Their riders expect the enjoyment and excitement of advanced ride comfort.

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. Advanced **C**ontrol by smoothing clutch engagement and preventing slippage.
3. **E**njoyable ride by reducing vibration and damping engine noise.

Shell Advance 4T AX7 offers excellent oil performance reliability that helps protect and clean the engine and helps prolong your engine life. It provides advanced control through smoother gear changes and enhanced ride comfort by reduced noise and vibration.

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### Applications

- *High-performance air and water-cooled four stroke motorcycle engines, including those 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.*
- *Offers enhanced performance for smaller motorbikes, underbones and mopeds.*

### Performance Features and Benefits.

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

- **Synthetic Technology lubricant**  
Special oil formulation to keep oil viscosity in-grade for longer.
- **Enhanced wear protection.**  
Enhanced protection actions valve train wear
- **Enhanced cleanliness.**  
Removal of sludge and engine deposits

#### Advanced **C**ontrol.

- **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.

### Specification and Approvals

The product is available in two different viscosity grades:  
SAE J 300 10W-30, 10W-40 & 15W-50.

All the formulations exceed the following international specification:

API SL,  
JASO MA2

Advance 4T AX7 4 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

<b>Advance 4T AX7</b>		<b>10W-30</b>	<b>10W - 40</b>	<b>15W - 50</b>
<b>SAE Viscosity grade</b>		10W-30	10W - 40	15W - 50
<b>Kinematic Viscosity</b>	ASTM D 445			
at 40°C	mm <sup>2</sup> /s	60.5	98.6	132.2
at 100°C	mm <sup>2</sup> /s	10.5	15.8	19.1
<b>Viscosity Index</b>	ISO 2909	178	172	184
<b>Density at 15°C</b>	kg/m <sup>3</sup> ASTM D 4052	858	858	867
<b>Flash Point COC</b>	°C ISO 2592	220	230	235
<b>Pour Point</b>	°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.