Technical Data Sheet

Shell **Advance** *VSX 2* *(undyed, prediluted)*

Synthetic Based Motorcycle 2 Stroke engine oil

Shell Advance VSX 2 is a synthetic based lubricant specifically designed for excellent engine protection and performance in 2-stroke motorcycle engines. It guarantees superior control against exhaust system blocking and minimises exhaust smoke. Shell Advance VSX 2 is suitable both for all oil-injection and premix systems and exceeds the requirements of leading manufacturers.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Excellent engine protection and cleanliness**
  The formulation is carefully balanced and specifically tested in 2-stroke engines to prevent scuffing, ring sticking and deposit formation. The engine life is prolonged and the original performance level maintained.
- **Superior control against exhaust system blocking**
  The formulation prevents exhaust system deposits keeping engine performance at the original level.
- **Minimised exhaust smoke**
  The high amount and carefully selected polyisobutylenes, as carefully balanced components, minimise exhaust smoke, reducing the environmental impact.
- **Superior engine efficiency and power**
  The beneficial burning characteristics allow fast adaptation to new driver requirements improving acceleration performances and increasing power output.
- **Very good self mixing properties**
  Shell Advance VSX 2 contains a hydrocarbon diluent and it can therefore be used both in oil injection systems fitted to modern 2-stroke motorcycles and in premix systems.

Main Applications

- All 2-stroke motorcycle engines with oil injection or premix system
- Recommended for high-performance air and water cooled 2-stroke engines
- Shell Advance VSX 2 should not be used in outboard engines. The appropriate Shell Nautilus Oil is recommended for this application.

Specifications, Approvals & Recommendations

- JASO FC
- ISO-L-EGD
- Shell Advance VSX 2 meets the requirements of all leading motorcycle manufacturers.

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

Typical Physical Characteristics

Properties			Method	Shell Advance VSX 2
Kinematic Viscosity	@100°C	mm^2/s	ASTM D445	7.0
Flash Point PMCC		°C minimum	ASTM D93	70
Pour Point		°C maximum	ASTM D97	-20

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 VSX 2 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.