Shell Rimula *R2 15W-40*

Heavy Duty Diesel Engine Oil

- *Turbocharger Performance*

Uses performance additives to fight engine wear and deposits providing reliable lubrication including turbocharger engines

DYNAMIC PROTECTION

Performance, Features & Benefits

- **Equipment manufacturer acceptance**

  Shell Rimula R2 is suitable for use in a variety of engine applications where API CH-4 quality oils are required.

- **Engine cleanliness**

  The high thermal stability and oil oxidation resistance provide a high standard of protection against piston deposits. Engine cleanliness is further enhanced through use of high performance dispersants to control sludge and deposits in other parts of the engine.

- **Low engine wear**

  The combination of active anti-wear additives and good engine cleanliness controls engine wear, gives long engine life, maintains engine power and efficiency and lowers servicing costs.

Main Applications

On-highway heavy duty trucks

  Shell Rimula R2 15W-40 is suitable for most heavy duty engines found in on-highway applications and where API CH-4 quality oils are required.

- **Agricultural equipment**

  Shell Rimula R2 15W-40 is ideally suited for the stop-start service found in agricultural operation, and protects against bearing wear and deposit formation even under these severe conditions

  For more severe operations or applications in modern low emission engines we recommend Shell Rimula R4X or Rimula R5 multigrade oils.

Specifications, Approvals & Recommendations

- API CH-4

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

Typical Physical Characteristics

Properties			Method	Shell Rimula R2 15W-40
Kinematic Viscosity	@40^{0}C	mm^2/s	ASTM D445	105.1
Kinematic Viscosity	@100^{0}C	mm^2/s	ASTM D445	14.3
Dynamic Viscosity	@-20^{0}C	mPa s	ASTM D5293	6600
Viscosity Index			ASTM D2270	139
Density	@15^{0}C	kg/l	ASTM D4052	0.886
Flash Point (COC)		^{0}C	ASTM D92	230
Pour Point		^{0}C	ASTM D97	-36
Total Base Number		mg KOH/g	ASTM D2896	10

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 Rimula R2 15W-40 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 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.