



## **BP Energrease RCG**

Rail Curve Grease

## **Product Data**

### **Description**

**BP Energrease RCG** is a lithium based grease designed to protect rails and wheel flanges against wear on curved and tangent railway tracks. **BP Energrease RCG** is a smooth black, NLGI 2 grease that is fortified with molybdenum disulphide and friction modifiers that provide wear protection and noise reduction.

Built in polymers provide effective adhesion to the rail and provide resistance to water wash off. The carefully selected base oil combination of synthetic ester and mineral oil provides optimum spreadability and pumpability, particularly at low operating temperatures.

### **Applications**

**BP Energrease RCG** may be used in wayside and on board lubricators and is ideally suited for wayside lubricators that apply grease directly to the rail and allow wheel flanges to spread the grease along the track for several kilometers. It should be applied at curved or tangent track where it is desirable to reduce excessive rail and flange wear, improve energy efficiency and fuel consumption, or reduce noise.

Over greasing should be avoided as this will result in excessive creep of grease to the top of rail and consequential loss of traction.

### **Benefits**

- Superior friction reducing properties provide protection against wear and excessive noise.
- High degree of spreadability ensures protective lubricant film typically covers 800 metres of curve in 4000 metres of track.
- Combination of lithium soap and synthetic ester provides good pumpability.
- Excellent adhesion properties ensure grease is not washed off in adverse weather conditions and reduces grease creep to the top of the rail.



## Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

## Health & Safety Recommendations

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products. BP Australia will not accept liability if the product is used other than in the manner or with the precautions or for the purpose/s specified. Before the product is used other than as directed, advice should be obtained from the local BP office or the BP Lubricants and Fuels Technical Help Line Ph: 1300 139 700.

## Typical characteristics

Test	Method	Units	
Appearance	Visual		Smooth black grease
Soap type			Lithium
NLGI Grade			2
Penetration, worked	ASTM D217	mm/10	265-295
Dropping Point	ASTM D5661	°C	180
SRV friction coefficient, 200N, 50Hz	ASTM D5707		0.08
4 Ball Weld Load	IP 239	kg	260
4 Ball M.W.S.D (1hr @40kg)	IP 239	mm	0.60

*The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.*

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