



Shell Cardium® Fluid EP

Premium Performance Open Gear and Wire Rope Fluid

Shell Cardium Fluid EP is a viscous, asphaltic based lubricant containing highly refined mineral oils, and select EP additives. It is diluted with an aliphatic hydrocarbon (high flash point, non-chlorinated) for easier application.

Applications

Shell Cardium Fluid EP, is suitable principally for open gears, sliding surfaces of drag lines, construction and dredging equipment, chain and sprocket lubrication, or other applications where viscous, adhesive products are required.

Performance Features

- **Excellent extreme pressure properties**
Protects gear teeth and other machine elements under heavy load.
- **Very high adhesive characteristics**
Once the diluent has evaporated, the lubricant builds an adhesive, high-strength film to help protect gear teeth even under hard operation/weather conditions. The lubricant can easily be cleaned up with solvents.
- **Excellent anti-wear performance**
- **Good low temperature properties**
Can be pumped or sprayed using conventional drum pump and spray nozzle equipment designed for fluid lubricant and grease. Such equipment is available from suppliers such as Lincoln, Graco and Falk. [How does this apply to good low temperature properties?] Shell Cardium Fluid EP can be pumped at low temperatures without the risk of plugging feed lines or nozzles. The product remains flexible, retains its adhesive properties and will not crack or flake off gear teeth.

Operating Temperature Range

The minimum operating temperature ranges from 10°F with a maximum range up to 160°F.

Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.shell-lubricants.com/msds/>. If you are a Shell Distributor, please call 1+800-468-6457 for all of your service needs. All other customers, please call 1+800-840-5737 for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.

Typical Physical Characteristics

Shell Cardium Fluid EP	
Product Code	
Drums	5068004
Kegs	5068005
Pails	5067993
Appearance	Black
Thickener Type	Asphaltic
Kinematic Viscosity, cSt @ 100°C (Without Diluent) ASTM D 445	1500
Kinematic Viscosity, cSt @ 40°C (With Diluent) ASTM D 445	1600
Flash Point, °F ASTM D 92	200
Anti-wear and EP Performance	
Wear scar, mm ASTM D 2266	0.5
Weld load, kgf ASTM D 2596	500