



## Technical Data Sheet

Updated: 8/16/2019

### **HOT SHOT'S SECRET BLUE DIAMOND S11 80W-110 Severe Duty Gear Oil**

#### **Product Overview**

Blue Diamond S11 80W-110 gear oil was formulated for the heavy duty usage of semi-trucks, towing, and equipment that need a higher level of protection and oxidation resistance than conventional gear oils can provide. The formulas are based on 100% pure poly- $\alpha$ -olefin (PAO) Group IV synthetic oil that requires a very small amount of viscosity improvers to meet the weight specifications. The infusion of our patented FR3 Nano Technology and high zinc additive package extends the performance and anti-wear protection to levels unmatched by any other gear oil on the market. The result is a gear oil that has increased oxidation and thermal stability, deposit and sludge prevention, reduced oil breakdown, high wear resistance and longer drain intervals.

#### **Applications and Uses**

Blue Diamond S11 80W-110 is recommended as a gear oil for any heavy-duty trucks, agriculture, construction and industrial equipment, drilling rigs, or any machinery that requires a SAE 80W-110 gear oil.

#### **Benefits**

- Lowers gear oil consumption
- Anti-rust protection
- Increases boundary layer protection
- Increases film strength
- Improves oxidation stability
- Improves aeration control
- Reduces operating temperature
- Reduces wear
- Reduces shearing
- Reduces friction
- Reduces deposit formation
- Reduces noise and vibration
- Extends gear oil change interval



### Packaging

Available in:

- 1 quart bottle
- 1 gallon jug
- 5 gallon bucket
- 55 gallon drum
- 275 gallon tote

### Typical Properties

Property	Test Method	Result
Viscosity at 40 °C, cSt	D-445	251.9
Viscosity at 100 °C, cSt	D-445	28.99
Minimum flash point, °C (°F)	D-92	221°C (430°F)
Stable pour point, °C (°F)	D-97	-30°C (-22°F)

The Safety Data Sheet is available at  
<http://www.hotshotsecret.com/print-documents/>.