



Lyden Oil Company

ProGuard Product Data

ProGuard Steam Cylinder Oils **Product Data Sheet**

ProGuard Steam Cylinder Oils are blended with selected grades of naturally high viscosity index, thermally stable, paraffinic base stocks and fortified with a carefully selected additive system designed to give high levels of protection against gear and bearing wear, rust, oxidation and hydrolytic decomposition in steam cylinders, gas compressor cylinders and worm gear drives. **ProGuard Steam Cylinder Oils** excel in the lubrication of heavily loaded enclosed gear drives and reducers under heavily or shock loading conditions. **ProGuard Steam Cylinder Oils** contain selective additional additives for improved metal adhesion and lubricity when in contact with steam of low to medium pressure and of wet to saturated quality conditions. The extra oiliness of the compounding provides good lubrication and minimizes wear.

ProGuard Steam Cylinder Oils are particularly well suited for steel mill service where equipment is subject to slow speeds, frequent stop and start cycles and where water contamination is a problem and on vertical sliding parts and ways.

Benefits:

Extreme pressure properties to minimize wear
Excellent lubrication when in contact with steam
Excellent rust and corrosion protection
Recommended for worm gears, coupling, bearings and steam cylinders
Added friction modifier for easier start-up in Steel Mill applications

Resistance to foaming
Oxidation and thermal stability for long life

Typical Characteristics:

| ProGuard Steam Cylinder Oil | 150 | 460 | 680 | 680-7 |
|------------------------------------|------------|------------|------------|--------------|
| Viscosity cSt @ 40 Deg C | 140 | 454 | 627 | 627 |
| cSt @ 100 Deg C | 13.5 | 29.7 | 37.8 | 37.8 |
| Viscosity Index | 100 | 96 | 97 | 97 |
| Pour Point, Deg F | -21 | 15 | 20 | 20 |
| Flash Point, COC Deg F | 490 | 570 | 535 | 535 |
| % Compounding | 5 | 5 | 5 | 7 |

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