

Inland 19 Rough Pump Oil

- Molecularly Distilled
- Excellent Vapor Pressure Capabilities
- Reduced Backstreaming
- Much Longer Fluid Life
- Ideal for High Vacuum Systems
- Standard Oil for Roughing Pump
- Vapor Pressure 3×10^{-5} torr

Inland rough pump oil is ideal for use in all models of vacuum pumps including Alcatel, BOC Edwards, and Welch. Inland 19 utilizes crude stocks known for their durability and fine lubricating qualities. Precision distillation further enhances these characteristics while providing a cleaner, cooler running, longer-lasting oil that in many instances will provide improved pumping cycles.

Inland 19 is effective in those cases where operating temperatures are not a problem, especially in the lower speed belt-driven pumps. Providing the least backstreaming, Inland 19 is particularly well suited for use with the high grade diffusion pump fluids, such as the polyphenyl ethers (Santovac® 5 and Convalex 10), silicones, and ester-based fluids. Direct-drive pumps that are not subject to extreme operating conditions can use Inland 19 to achieve the same advantages. Durability and performance highlight Inland 19's capabilities. Inland 19 replaces Inland 15 which has been discontinued by the manufacturer. Inland 19 will provide a decade improvement in pumping efficiency over Inland 15.

Inland 19 is a direct replacement for Alcatel 100, Alcatel 10, Alcatel VP-1, Alcatel AE-1, BOC Edwards 15, 16, & 19, Welch Duo Seal, and other rough pump oils. It will provide performance characteristics equal to or superior to these products.



| Part No. | Description |
|----------|------------------------------------|
| IN19-1 | Inland 19 Pump Oil - 1 gal. bottle |
| IN19-5 | Inland 19 Pump Oil - 5 gal. drum |
| IN19-12 | Inland 19 Pump Oil -12 x 1Liter |
| IN19-L | Inland 19 Pump Oil - 1 x 1 Liter |
| 1N424 | 5 Gallon Drum Pump |

Inland 19 ULTRA Rough Pump Oil

- Excellent Ultimate Pressure
- Rust Inhibition
- High Thermal Stability
- High Oxidation Stability
- High Operating Temperatures
- Corrosive Service
- Reduced Backstreaming

The Inland 19 ULTRA Pump Oil ensures that the fluid will endure thermal and chemical stresses much better than standard vacuum pump oil. The ultra-refined process eliminates nitrogen, sulfur and oxygen and the aromatic hydrocarbons, leaving a clear base stock virtually free of impurities. The excellent additive package will not volatilize under thermal stress. The antioxidant will stay in solution and bond up to four times as many radicals as other antioxidants, extending the life of your pump and fluid.

| Part No. | Description |
|----------|--|
| IN19-1U | Inland 19 ULTRA Pump Oil - 1 gal. bottle |
| IN19-5U | Inland 19 ULTRA Pump Oil - 5 gal. drum |
| IN19-12U | Inland 19 ULTRA Pump Oil -12 x 1Liter |
| IN19-LU | Inland 19 ULTRA Pump Oil - 1 x 1 Liter |
| 1N424 | 5 Gallon Drum Pump |

Inland 33 Rough Pump Oil

- Corrosive Service
- Additive Package
- High Thermal Stability
- Reduced Backstreaming
- Direct replacement for Pfeiffer P3 fluid

The manufacturing process of Inland 33 has removed components to enhance the oxidation resistance of the fluid to exhibit outstanding chemical stability. This process also provides a clear oil base virtually free of impurities and extends the life performance of the fluid for customer satisfaction. Inland 33 can be used in corrosive applications involving increased temperatures.



| Part No. | Description |
|----------|------------------------------------|
| IN33-1 | Inland 33 Pump Oil - 1 gal. bottle |
| IN33-5 | Inland 33 Pump Oil - 5 gal. drum |
| IN33-12 | Inland 33 Pump Oil -12 x 1Liter |
| IN33-L | Inland 33 Pump Oil - 1 x 1 Liter |
| 1N424 | 5 Gallon Drum Pump |