# Lubenotes:

Design Engineer's Guide to Selecting a Lubricant

## Nye's Family of Anderol® Replacement Lubricants

**Traditional lubricants have historically played an important role** in the operating of electrical power management equipment. In recent years, the demand for higher performance, longer life, and extended lubrication cycles has led the move towards synthetic lubricants. Over the past decade Nye has been offering many synthetic lubricant solutions to help customers improve their performance and extend their lubrication cycles. We are now proud to announce that we have added a new series of lubricants to our current lineup for Industrial Maintenance and Electrical Power Management Applications.

Nye Lubricants is now the **official manufacturer of 6 of the Anderol® lubricants** which have had their place in this industry for many years. We are now offering the Anderol 732, Anderol 752 Grade 1, Anderol 752 Grade 2, Anderol 757, Anderol 786, and Anderol 793 products. Nye is manufacturing these products according to the original process and control specifications as provided by Anderol so that you can be assured you are getting the same quality product as you have always used. With these products added to Nye's extensive line of lubricants for industrial maintenance and electrical power management applications, we now offer an expanded and complete line of solutions for any lubricant need.

**With this complete line of lubricant solutions,** Nye can help customers meet the demanding requirements of these hostile environments where conventional lubricants will fail and require costly downtime. Our series of lubricants offer a variety of synthetic base oils, gellants, and additives. Our products will not only reduce friction, but they can resist high temperatures without oxidation, evaporation, or polymerization which will cause high contact resistance and failure of the switchgear. Nye's lubricants also inhibit wear and corrosion, provide environmental sealing, and control free motion. Our lubricants will provide an added measure of assurance for today's electrical power management equipment to ensure years of trouble free operation.

Following is a list of the **new Anderol® greases** offered by Nye for electrical power management equipment. Additional oils and greases are available to meet a wide range of application requirements. For further information, technical specifications, evaluation samples, questions about any Nye product, or to discuss a lubricant custom designed for your application - call us at +1.508.996.6721 or visit our website at www.nyelubricants.com.

*Contact Nye at +1.508.996.6721*
*or contact@nyelubricants.com*

# Lubenotes: Nye's Family of Anderol® Replacement Lubricants

| Instrument Greases | AND-732 | AND-752-1 | AND-757 | AND-786 | AND-793 |
|---|---|---|---|---|---|
| Base Oil | Diester | PAO | Diester | Diester | Diester |
| Thickener | Lithium Soap | Lithium Complex | Lithium Soap | Clay | Lithium Soap |
| Temperature Range | -40 to 150°C | -60 to 150°C | -40 to 150°C | -20 to 150°C | -60 to 150°C |
| Color and Appearance | Amber and tacky | Tan and smooth | Amber and tacky | Black and tacky | Light brown and smooth |
| NLGI Grade | 0 | 1 | 1.5 | 1.5 | 2 |
| Dropping Point | 181°C | 296°C | 192.3°C | >300°C | 192°C |
| Penetration Unworked | 398 | 307 | 289 | 301 | 261 |
| Penetration Worked (60 X) | 372 | 315 | 295 | 303 | 289 |
| Evaporation | 0.75% | 0.20% | 1.10% | 1.60% | 0.60% |
| Oil Separation | 15% | 3.70% | 1.40% | 0.60% | 4.80% |
| Performance | Friction and wear reduction, excellent rust protection | Anti-wear, excellent pressure protection | Anti-wear, adhesion to metal parts | Corrosion and rust inhibited, excellent load carrying at high speed | High temperature stability |
| Application Notes | Chains, gears, slides, bearings, spray lubricant | Gears, slides & bearings | General purpose, electrical contacts & switches | Gears, bearings, slides, pulleys, and general maintenance lubrication | Fine precision instruments |

## Nye Product Test Protocols

| | |
|---|---|
| **Dropping Point** | ASTM D-2265 |
| **Penetration 1/10 mm** | ASTM D-217 |
| **Evaporation** | NYE CTM; or CTM-1; or ATSM D-972 (22 hrs. at 100°C) |
| **Oil Separation** | ASTM D-6184; or FTM 791, Method 321.2 (30 hrs. at 100°C) |

**Nye Lubricants, Inc. 12 Howland Road Fairhaven, MA 02719 USA Ph: +1.508.996.6721 Fx: +1.508.997.5285 www.nyelubricants.com**