



# Lubeneotes:

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 [NyeLubricants.com](http://NyeLubricants.com).

Contact Nye at +1.508.996.6721  
or [contact@nyelubricants.com](mailto:contact@nyelubricants.com)

TECHNOLOGY IN MOTION™

Instrument Greases	<u>AND-732</u>	<u>AND-752-1</u>	<u>AND-757</u>	<u>AND-786</u>	<u>AND-793</u>
<u>Base Oil</u>	Diester	PAO	Diester	Diester	Diester
<u>Thickener</u>	Lithium Soap	Lithium Complex	Lithium Soap	Clay	Lithium Soap
<u>Temperature Range</u>	-40 to 150°C	-60 to 150°C	-40 to 150°C	-20 to 150°C	-60 to 150°C
<u>Color and Appearance</u>	Amber and tacky	Tan and smooth	Amber and tacky	Black and tacky	Light brown and smooth
<u>NLGI Grade</u>	0	1	1.5	1.5	2
<u>Dropping Point</u>	188°C	296°C	192.3°C	>300°C	192°C
<u>Penetration Unworked</u>	397	307	289	301	261
<u>Penetration Worked (60 X)</u>	359	315	295	303	289
<u>Evaporation</u>	0.66%	0.20%	1.10%	1.60%	0.60%
<u>Oil Separation</u>	15%	3.70%	1.40%	0.60%	4.80%
<u>Performance</u>	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
<u>Application Notes</u>	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**

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