

## ATLANTIC™ 221R-DBC LUBRICANT

### DESCRIPTION

*ATLANTIC 221R-DBC LUBRICANT represents the latest technology in lubrication. It is formulated from pure synthetic base oils and selectively treated with rust, oxidation and anti-wear additives coupled with a shear stable thickener to provide maximum parts protection in a wide range of temperatures from -50EF to 570EF (-45EC to 298.9EC)*

*ATLANTIC 221R-DBC LUBRICANT is non-melting, has a high dielectric strength, low volatility and is insoluble in water, methanol, ethanol, dilute acids, caustics, glycol, glycerine, vegetable and mineral oils.*

*ATLANTIC 221R-DBC LUBRICANT is designed to be compatible with most plastics and rubbers, especially ethylene propylene terpolymer (EPDM, EPT) commonly used in Disc Brake Caliper systems.*

### USAGE

*ATLANTIC 221R-DBC LUBRICANT was originally designed as a problem solving, anti-corrosion lubricant for all moving caliper hardware, backing plates and seals of Disc Brake Caliper assemblies. However, due to its water, chemical and corrosion resistance capabilities it is an excellent choice in a wide variety of automotive, marine, agriculture, household and industrial applications. Some of its diversified uses include:*

M DISC BRAKE CALIPERS    M GASKETS AND O'RINGS  
M BRAKE HARDWARE    M VALVES  
M SPARK PLUG BOOTS    M SLIDES AND WAYS  
M BATTERY TERMINALS    M POOL EQUIPMENT  
M ELECTRICAL CONNECTIONS    M BUSHINGS  
M WEATHER STRIPPING    M MOTION CONTROLLERS

### ADVANTAGES

M PREVENTS RUST & CORROSION    M NON MELTING  
M CHEMICAL RESISTANT    M EXTREMELY LOW VOLATILITY  
M WIDE TEMPERATURE RANGE    M WATERPROOF, WILL NOT WASHOUT  
M HIGH DIELECTRIC STRENGTH    M REDUCES WEAR

## TYPICAL SPECIFICATIONS

### **DESCRIPTION ATLANTIC Product: 221R-DBC Lubricant**

Color: Translucent White  
Base Oil: Synthetic  
Thickener: Synthetic  
Texture: Tenacious  
Temperature Range: -50F to 570F (-45C to 298.9C)

| <b><u>TEST</u></b>                  | <b><u>TEST METHOD</u></b> | <b><u>RESULTS</u></b> |
|-------------------------------------|---------------------------|-----------------------|
| Penetration                         | ASTM D-217                |                       |
| Unworked, mm                        |                           | 200-210               |
| Worked 60 strokes, mm               |                           | 230-245               |
| NLGI No.                            | 3                         |                       |
| Flash Point, F (C)                  | ASTM D-92                 | 570 (298.9)           |
| Drop Point, F (C)                   | ASTM D-566                | None                  |
| Pour Point, F (C)                   | ASTM D-97                 | -50 (-45.)            |
| Base Oil Corrosion Test:            | ASTM D-665                |                       |
| Procedure A (distilled water)       |                           | Pass                  |
| Procedure B (synthetic sea water)   |                           | Pass                  |
| Oil Separation, % Loss              | FTM 791.321               |                       |
| 24 hrs. @ 392F (200C)               |                           | 0.0                   |
| Evaporation Loss, %                 | FTM 791.321               |                       |
| 24 hrs. @ 392F (200C)               |                           | .38                   |
| Elastomer Compatibility             | ASTM D-4289               |                       |
| EPDM Rubber, % Change               |                           |                       |
| (70 hrs. @ 250F (121C))             |                           |                       |
| Hardness                            |                           | 2.4                   |
| Swell                               |                           | 1.8                   |
| Corrosion Test,                     | ASTM D-1748               |                       |
| 100 hrs. @ 120F (48.9C)             |                           | Pass                  |
| Water Washout, % max.               | ASTM D-1264               | 1.0                   |
| Dielectric Strength volts/mil, min. | ASTM D-149                | 800                   |
| Volume Resistivity, OHM-cm          | ASTM D-257                | 1x10 <sup>13</sup>    |
| Dielectric Constant                 | ASTM D-150                | 2.8                   |

### **PACKAGE AVAILABILITY**

1-gal. Pails, 5-gal. Pails, and 55-gal. Drums