



# NYE NYOGEL™ 792D

**EP Fortified**

A semi-fluid, silica thickened, medium viscosity, synthetic hydrocarbon grease intended for gear trains, gear motors and worm and planetary gears.

*The SmartGrease Company*

| Lubricant Properties                       |   |            | Typical Value         | Test Method     |
|--|---|------------|-----------------------|-----------------|
| Recommended Service Range (°C)             |   |            | - 30 to 125           |                 |
| Thickener                                  |   |            | Silica                |                 |
| Type                                       |   |            | PAO                   |                 |
| Base Oil                                   | Kinematic Viscosity<br>cSt (mm <sup>2</sup> /s) | 100°C      | 22                    | ASTM D-445      |
|  |   | 40°C       | 182                   |                 |
|  |   | -40°C      | -                     |                 |
|  | Viscosity Index                                 |            | 141                   | ASTM D-2270     |
|  | Flash Point (°C)                                |            | 286                   | ASTM D-92       |
| Pour Point (°C)                            |   | - 45       | ASTM D-97             |                 |
| Typical Properties of the Grease           |   |            |                       |                 |
| Color, Appearance                          |   |            | Blue to Green, Smooth |                 |
| Penetration<br>1/10 mm                     | Unworked  |            | 413                   | ASTM D-217      |
|  | Worked  | 60 X       | 437                   |                 |
|  |   | 10,000 X   | -                     |                 |
|  |   | 100,000 X  | -                     |                 |
| NLGI Grade                                 |   | 00 - 000   |                       |                 |
| Density                                    | gm/cc   | 25°C       | 0.88                  | ASTM D-1480     |
| Dropping Point (°C)                        |   |            | > 260                 | ASTM D-2265     |
| Oil Separation                             | 24 hours  | 100°C      | 14.3 %                | FTM 791B, 321.2 |
| Evaporation                                | 24 hours  | 100°C      | 0.0 %                 | ASTM D-972      |
| Water Washout                              | 60 minutes                                      | 40°C       | -                     | ASTM D-1264     |
| Copper Corrosion                           | 24 hours  | 100°C      | -                     | ASTM D-4048     |
| 4 Ball Wear                                | 60 min., 1200 RPM<br>40 kg. load                | 75°C       | 0.54 mm               | ASTM D-2266     |
|  |   | 150°C      | -                     |                 |
| Low Temperature<br>Torque (-40°C)<br>gm-cm | Starting Torque                                 |            | -                     | ASTM D-1478     |
|  | Running Torque                                  | 10 minutes | -                     |                 |
|  | Running Torque                                  | 60 minutes | -                     |                 |
| Oxidative Stability                        | 168 hours                                       | 100°C      | 34 kPa                | ASTM D-942      |
| Bearing Rust Test                          |   |            | -                     | ASTM D-1743     |
| Apparent Viscosity                         |   |            | See Figure 1          |                 |

The typical properties shown on this product data sheet should not be used as a basis for preparing specifications. Refer to our product Material Safety Data Sheet for detailed safety information. (0708)

Figure 1

