

## HyFilm® LEO G92

### SAE 15W-40 Engine Oil

**HyFilm® LEO G92** provides specialized, all-around protection for modern stoichiometric-burn natural gas engines from **Cummins-Westport, Detroit Diesel, Volvo** and others. It ensures long engine life and protection from valve recession, valve torching, piston scuffing and spark plug fouling while extending drain intervals and reducing oil consumption. **HyFilm LEO G92** includes advanced technology for superior oxidation and thermal stability and meets the Cummins CES 20092 specification allowing extended oil drain intervals with **Cummins ISX12 G, ISX12N, ISL G, L9N, ISB6.7 G, and B6.7N** engines.

#### HyFilm LEO G92 SAE 15W-40 Meets or Exceeds:\*

|                          |                                  |                          |
|--------------------------|----------------------------------|--------------------------|
| <b>Cummins CES 20092</b> | <b>Detroit Diesel DDC 93K216</b> | <b>Volvo CNG</b>         |
| <b>MB 226.9</b>          | <b>Renault RGD</b>               | <b>Cummins CES 20085</b> |

\* Guaranteed to meet or exceed specifications, not officially licensed.

| PRODUCT ATTRIBUTE                                                                 | TEST METHOD | TYPICAL PROPERTIES |
|-----------------------------------------------------------------------------------|-------------|--------------------|
| <b>SAE Grade</b>                                                                  | SAE J300    | 15W-40             |
| <b>Kinematic Viscosity, cSt @ 40° C</b>                                           | ASTM D445   | 112.7              |
| <b>Kinematic Viscosity, cSt @ 100° C</b>                                          | ASTM D445   | 15.0               |
| <b>Viscosity Index No.</b>                                                        | ASTM D2270  | 138                |
| <b>CCS Viscosity, cP @ -20°C</b>                                                  | ASTM D5293  | 5800               |
| <b>High Temp High Shear Viscosity, cP @ 150°C @ 10<sup>6</sup> s<sup>-1</sup></b> | ASTM D4683  | 4.1                |
| <b>Density, kg/l @ 15.5°C</b>                                                     | ASTM D1298  | 0.873              |
| <b>Pour Point, °F (°C)</b>                                                        | ASTM D97    | -38.2 (-39)        |
| <b>Flash Point, °F (°C)</b>                                                       | ASTM D92    | 446 (230)          |
| <b>Noack Volatility, % wt. loss</b>                                               | ASTM D6375  | 10.2               |
| <b>TBN (Total Base Number)</b>                                                    | ASTM D2896  | 7.0                |
| <b>TBN (Total Base Number)</b>                                                    | ASTM D4739  | 6.0                |
| <b>Sulfated Ash, % wt.</b>                                                        | ASTM D874   | 0.89               |
| <b>Zinc, ppm</b>                                                                  | ASTM D4951  | 850                |
| <b>Phosphorus, ppm</b>                                                            | ASTM D4951  | 780                |
| <b>Color</b>                                                                      |             | Amber              |

#### **WARRANTY:**

When properly stored and used in accordance with instructions, any material not satisfactory will be replaced with any product in our line on a dollar for dollar basis provided the account is paid in full when due and Hydrotex is notified in writing within 12 months of the date of the order by the customer.

**Hydrotex®** is a manufacturer and distributor of high performance lubricant and fuel improver solutions. As an employee owned company, we help our customers develop sustainable solutions designed to improve system reliability, save energy, limit pollution, extend fixed asset life, reduce maintenance costs and improve fuel efficiency. Our products and services leverage over 80 years of innovation resulting in superior lubrication solutions and high touch customer service.