



# BLACK PEARL<sup>®</sup> HM

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## (formerly Delo<sup>®</sup> Extreme Grease EP)

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### PRODUCT DESCRIPTION

Black Pearl<sup>®</sup> HM (formerly Delo<sup>®</sup> Extreme Grease EP) is recommended for use as a general purpose automotive and industrial grease where extreme low temperature performance is required.

### CUSTOMER BENEFITS

Black Pearl HM delivers value through:

- **Low temperature performance** — Designed to lubricate in arctic climates.
- **Good rust protection** — Passes ASTM D1743-73 rust test.
- **Good pumpability** — Low viscosity oil component of grease enables easy application in winter climates. It has good pumpability at low temperatures, down to -30°C (-22°F).
- **Good load carrying capacity** — As indicated by the Timken OK load of 45 lb.

### FEATURES

Black Pearl HM is manufactured using a polyurea thickener, special low viscosity base oil, and rust and oxidation inhibitors.

It is specially formulated for use in automotive and industrial applications where extreme low temperatures are encountered.

Black Pearl HM has outstanding low temperature lubrication qualities and provides metal parts with excellent rust and corrosion protection as well as protection from wear.

### APPLICATIONS

Black Pearl HM is recommended for use as a general purpose automotive and industrial grease where extreme low temperature performance is required.

It is also recommended for use in environments with a wide ambient temperature range.

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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**TYPICAL TEST DATA**

| <b>NLGI Grade</b>   | <b>Test Method</b> | <b>1</b>                |
|---|--------------------|-------------------------|
| <i>Product Number</i>   |                    | 259127                  |
| <i>SDS/MSDS Number</i><br>U.S.<br>Canada<br>Mexico                            |                    | 44533<br>44534<br>44535 |
| Operating Temperature, °C(°F)<br>Minimum <sup>a</sup><br>Maximum <sup>b</sup> |                    | -50(-58)<br>150(302)    |
| Penetration, at 25°C(77°F)<br>Unworked<br>Worked                              | ASTM D217          | 310<br>325              |
| Dropping Point, °C(°F)  | ASTM D2265         | 245(473)                |
| Timken OK Load, lb  | ASTM D2509         | 45                      |
| Lincoln Ventmeter, psig at 30 s, at<br>75°F<br>30°F<br>0°F<br>-22°F           | K95400             | 0<br>0<br>100<br>420    |
| Thickener, %<br>Type  |                    | 16<br>Polyurea          |
| ISO Viscosity Grade,<br>Base Oil Equivalent                                   |                    | 22                      |
| Viscosity, Kinematic<br>cSt at 40°C<br>cSt at 100°C                           | ASTM D445          | 22.0<br>4.3             |
| Viscosity Index   | ASTM D2770         | 101                     |
| Flash Point, °C(°F)   | ASTM D92           | 176(349)                |
| Pour Point, °C(°F)  | ASTM D97           | -27(-17)                |
| Texture   |                    | Smooth, Buttery         |
| Color   |                    | Black                   |

- a Minimum operating temperature is the lowest temperature at which a grease, already in place, could be expected to provide lubrication. Most greases cannot be pumped at these minimum temperatures.
- b Maximum operating temperature is the highest temperature at which the grease could be used with frequent (daily) relubrication.

Minor variations in product typical test data are to be expected in normal manufacturing.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.