



# Technical Data Sheet

## CASTROL CRESTA RANGE

### DESCRIPTION:

The Castrol Cresta range of lubricants can be divided into two separate compound divisions: pure mineral oils and compounded type oils. Pure mineral oils are prepared from selected base cylinder stocks to achieve the desirable characteristics of high flash point, oxidation stability and good demulsibility. Compounded type oils contain a percentage of compounding which imparts added lubricity and allows emulsification to take place with condensed water from the use of wet steam.

### APPLICATION:

Castrol Cresta pure mineral oils are designed for steam engine cylinder and valve lubrication and are suitable for heavily loaded slow moving bearings and gears, where a demulsifiable oil is required.

Castrol Cresta compounded oils have been designed for the lubrication of steam engine cylinders where condensed water from wet steam may be present.

However, they must not be used for the lubrication of high-speed, totally enclosed steam engines where contamination of the crankcase lubricant may occur and severely reduce demulsibility.

### BENEFITS:

- Extended equipment life.
- Higher profitability.
- The products may operate in high temperature applications due to the high quality base stock.
- Extended oil life due to the oxidation stability of the mineral oil range.
- The emulsifiers in the compounded type oils provide excellent lubricity in wet steam cylinders.
- The demulsibility characteristics in the pure mineral oil allows for outstanding lubrication.
- High temperature application.
- The pure mineral oils exhibit a high flash point, oxidation stability and excellent demulsibility.
- The compounded oils have exceptional emulsification characteristics.

**TYPICAL CHARACTERISTICS:**

| <b>Castrol Cresta</b>                  | <b>SHS</b> | <b>V</b> | <b>VA</b> | <b>SS</b> |
|--|------------|----------|-----------|-----------|
| Product Code Number                    | 36010      | 36022    | 36035     | 36051     |
| Density @ 20°C (kg/l)                  | 0.935      | 0.896    | 0.897     | 0.921     |
| Viscosity @ 40°C (mm <sup>2</sup> /s)  | 1263       | 500      | 419       | 771       |
| Viscosity @ 100°C (mm <sup>2</sup> /s) | 50.5       | 31.5     | 29.0      | 38.0      |
| Viscosity Index                        | 81         | 93       | 96        | 82        |
| Flash Point: COC (°C)                  | 314        | 288      | 284       | 270       |
| Pour Point (°C)                        | -6         | -6       | -9        | -4        |
| Compounding (%)                        | Nil        | Nil      | 5         | 2.5       |

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