



# SHELL CYPRINA<sup>®</sup> OIL 963

## Traction motor support bearing lubricant

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### Product Description

**Shell Cyprina<sup>®</sup> Oil 963** is a premium product formulated for use in lubricating traction motor suspension bearings on locomotives and plain bearings in railcar journal boxes. It is a premium grade, high viscosity index, low pour point product containing a balanced heavy duty additive combination that will protect new journal bearings during the critical break-in period and minimize friction in heavily loaded bearings. The rust and corrosion protection afforded by the heavy duty additive combination is further enhanced by an additional rust inhibiting additive. This product is formulated for all-year use.

**Shell Cyprina<sup>®</sup> Oil 963** meets the requirements of the AAR M-963 specification covering all-year Journal Box Lubricating Oils as well as the requirements for GE D50E14 and EMD 1002 specifications covering suspension bearing oils.

### Applications

- Traction motor suspension bearings
- Plain bearings in railcar journal boxes
- Locomotive truck center plates

### Features/Benefits

- High viscosity index
- Low pour point
- Excellent lubricity characteristics
- Good rust protection
- Water separability
- High resistance to foaming
- Good shear stability

**Typical Properties of Shell Cyprina® Oil 963**

|                    | Test Method |       |
|--------------------|-------------|-------|
| Product Code       |             | 65522 |
| Gravity, °API      | D 1298      | 29.6  |
| Viscosity          |             |       |
| @ 40° C, cSt       | D 445       | 63.5  |
| @ 100° C, cSt      | D 445       | 9.27  |
| @ 100° F, SUS      | (calc)      | 326   |
| @ 210° F, SUS      | (calc)      | 57.5  |
| Viscosity Index    | D 2270      | 124   |
| Pour Point, ° F    | D 97        | -35   |
| Aniline Point, ° F | D 189       | 219   |

**Handling & Safety Information**

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.shell-lubricants.com/msds/>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.