



# Gulf Milking Machine Oil

## Special Purpose Milking Machine Oil

### Product Description

**Gulf Milking Machine Oil** is high performance oil specially developed for lubricating all components of reciprocating/ rotary vacuum pumps used in stationary or mobile milking machines. This oil is formulated with high quality base oils and carefully selected performance additives. Milking machine reliability is of the utmost importance in dairy management and therefore this product has been designed using field proven thermally stable anti-wear additive system which ensures ultimate equipment protection.

### Features & Benefits

- Superior demulsibility helps in faster separation of water from oil and resists formation of emulsions
- Excellent thermo-oxidative stability controls the formation of sludge & varnish and improves oil life
- Exceptional anti-wear property results in longer pump and component life and reduces costs
- High Viscosity Index ensures optimum oil film thickness over wide range of operating temperatures
- Rapid air release property and excellent foam control minimizes chances of pump cavitation leading to trouble free operations
- Special rust & corrosion inhibitors protect multi-metallurgy components even in presence of moisture
- Compatible with the wide variety of metals and sealing materials commonly used in hydraulic systems

### Applications

- Milking Machine Vacuum Pumps
- Hydraulic systems operating under moderate to severe conditions in various milk handling hydraulics and equipments.

NOTE : Gulf Milking Machine Oil is NOT suitable for food grade applications and should not be permitted to come in contact with milk i.e. no incidental food contact.

### Specifications, Approvals & Typical Properties

| ISO Viscosity grades   | 46                 | 68                    |       |
|--|--------------------|-----------------------|-------|
| <b>Typical Properties</b>                                      |                    |                       |       |
| <b>Test Parameters</b>   | <b>ASTM Method</b> | <b>Typical Values</b> |       |
| Viscosity @ 40 °C, cSt   | D 445              | 46.1                  | 68.3  |
| Viscosity Index  | D 2270             | 101                   | 99    |
| Flash Point, °C  | D 92               | 212                   | 218   |
| Pour Point, °C   | D 97               | -24                   | -24   |
| Density @ 15°C, Kg/l   | D 1298             | 0.876                 | 0.882 |
| Rust Test  | D 665A/B           | Pass                  | Pass  |
| Emulsion Test 30 minutes max @ 54 oC                           | D 1401             | Pass                  | Pass  |
| Foam Test, foam after 10 minutes of settling for all sequences | D 892              | Nil                   | Nil   |
| FZG, fail load stage, minimum                                  | DIN 51354 Part II  | 11                    | 11    |

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Properties mentioned are typical only and minor variations, which do not affect product performance, are expected to arise in normal manufacturing processes. Please follow equipment manufacturer's recommendations for performance level and viscosity grade. The Safety Data Sheet for this product is available from your nearest Gulf Distributor. Please consult our local representative if any further information is required.

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