



## 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 & 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 °C	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

April 2012

Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. The above information is based on past history of the grade only and must not be construed as a guarantee of performance. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available from your nearest Gulf Distributor.

#### Gulf Oil International

The information contained herein is believed to be correct at time of publication. No warranty expressed or implied is given concerning the accuracy of the information or the suitability of the products. Gulf Oil International reserves the right to modify and change its products and specifications without prior notice.

[www.gulfoilltd.com](http://www.gulfoilltd.com)