



# Gulf Security

## Industrial bearing and circulating oils

### Product Description

**Gulf Security** series are industrial bearing and circulating oils primarily intended for lubrication of circulating systems, total loss systems, low or moderately loaded enclosed gears and air compressors where a straight mineral oil is recommended. These oils are blended from high quality, solvent refined paraffinic base oil and anti-foam agents. They possess inherent resistance to oxidation, high viscosity index, low carbon forming tendency, superior foam control and good water separating capabilities. These oils are available in ISO 100 through ISO 680 viscosity grades.

### Features & Benefits

- Inherent resistance to oxidation minimises sludge & varnish formation and resists oil degradation
- High Viscosity Index ensures small changes of viscosity with change of temperature
- Superior foam control avoids pump cavitation and maintains circulation efficiency
- Good water separating capability promotes separation of water in reservoir and prevents it from recirculating with the oil

### Applications

- Wide variety of following industrial applications requiring straight mineral oils:
  1. Circulatory systems
  2. Total loss systems
  3. Low or moderately loaded enclosed gears not requiring EP or anti-wear properties
  4. Air compressors
  5. Plain and rolling element bearings
  6. Sealing lubricant in high temp. applications of steel & heavy duty industries like gas holder.

### Specifications, Approvals & Typical Properties

ISO Viscosity grades		100	150	220	320	460	680
<b>Typical Properties</b>							
Test Parameters	ASTM Method	Test Values					
Viscosity @ 40 °C, cSt	D 445	98.3	148.9	221	321.1	467	685
Viscosity Index	D 2270	97	96	96	95	95	92
Flash Point, °C	D 92	230	246	256	266	280	290
Pour Point, °C	D 97	-12	-9	-6	-6	-3	0
Density @ 15°C, Kg/l	D 1298	0.886	0.89	0.894	0.898	0.902	0.915
Emulsion Test 30 minutes max @ 82°C	D 1401	Pass	Pass	Pass	Pass	Pass	Pass
Foam Test, foam after 10 minutes of settling for all sequences	D 892	Nil	Nil	Nil	Nil	Nil	Nil

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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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