



# Gulf Senate

*High quality bearing and worm gear lubricant*

## Product Description

**Gulf Senate** oils are high quality, high viscosity oils containing fatty compounds intended for lubrication of heavy duty industrial bearings, low speed enclosed gears, worm gears and steam cylinders working under high temperature-high pressure conditions. It is formulated from high quality base stocks and compounded with fatty material to provide effective lubrication under wet conditions encountered in steam cylinders and excellent wear protection in bearings and worm gears. It is available in three ISO Viscosity grades viz. 460, 680 and 1000.

## Features & Benefits

- Excellent film strength to provide wear protection
- Excellent lubrication of steam cylinders
- Yellow metal protection
- Protection from steam condensate

## Applications

- Lubrication of steam cylinders in low (ISO VG 460) and high (ISO VG 680 and 1000) pressure saturated steam systems and moderate superheat systems
- Heavy duty industrial bearings with bath or pressure circulation systems
- Enclosed gears operating under low speed and moderate load conditions
- Worm gears

## Specifications, Approvals & Typical Properties

ISO Viscosity Grade	460	680	1000	
<b>Meets the following Specifications</b>				
FIVES CINCINNATI (Former MAG IAS, LLC) P-39	X	X	X	
AGMA 9005 - D94	7 compounded	8 compounded	8A compounded	
<b>Typical Properties</b>				
Test Parameters	ASTM Method	Typical Values		
Viscosity @ 40 °C, cSt	D 445	464.5	687.3	993.2
Viscosity Index	D 2270	99	97	93
Flash Point, °C	D 92	266	270	282
Pour Point, °C	D 97	-6	-3	-3
Density @ 15°C, Kg/l	D 1298	0.915	0.918	0.921

February 2016

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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