



## Gulf ARROW GT50 10W-50 - Fully Synthetic Motor Oil

**“Body Feeling Performance” (BFP) having added value to API+**

### Gulf ARROW GT Series Description,

#### The high performance synthetic engine oil achieved "Body Feeling Performance"

Gulf has been leading the development of motor oil for more than 100 years and provides BFP type of new engine oil line-up. The remarkable engine oil is born after cross-examined thoroughly what the oil should be most suitable to use in most modern engines and cars and finally Gulf technical team has achieved the finest engine oil series.

#### ✓High performance and ECO engine oil considering in environmental protection.

In addition to ACEA A3/B3, A3/B4 performances, it meets API SN level oil considering in environmental protection. Compounding PAO which has very high VI and low volatility, ARROW GT has realized more than 200 VI and has much stable flow tendency at low and high temperature operation.

#### ✓Using high performance materials proven at the race field.

Gulf ARROW GT series also makes oil consumption minimize. Very high performance unique VI improver proven at the races is used and its excellent shear stability keeps sufficient oil thickness at high temperature. ARROW GT provides perfect engine protection and less oil consumption. The VI improver has very good molecular weight balance and shows excellent low temperature fluidity and the oil can be supplied in the main parts of engine quickly even at cold climate.

#### Different in “ 3 Important Elements for BFP “

- |                            |   |
|----------------------------|---|
| • <b>Thermal Stability</b> | <b>Selected base oil (PAO + Ester)</b>          |
| • <b>Engine Protection</b> | <b>Outstanding VI Improver</b>                  |
| • <b>Reducing Friction</b> | <b>Special additives make friction minimize</b> |

### Product Description

- High performance engine oil achieving API SN level considering environment.
- It is made of full synthetic formulation (PAO and Ester) adopting excellent friction modifier to reduce engine inside friction.
- Having very high shear stability and keeping sufficient oil film thickness, Gulf ARROW GT50 10W-50 is suitable to use in large-size engines and turbo charger / super Charger equipped high performance engines. It achieves excellent engine protection and minimize oil consumption.
- Gulf ARROW GT series concept is to achieve VI 200. This achievement realizes stable engine protection performance from very low temperature zone to midsummer high heating zone.
- Gulf ARROW GT50 10W-50 achieves powerful torque and high response.

### Features & Benefits

- Oily and high lubricating ability Ester reduces metal surface friction.
- The combination between Ester and high-performance FM additive achieves low friction and you find smooth and quiet engine rotation and torque response.
- High performance viscosity index improver keeps high shear stability, it holds enough oil film at high temperature and preserve engines even under severe condition and minimize oil consumption.

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. No warranty expressed or implied is given concerning the accuracy of the information or the suitability of the products. GOTCO-Japan reserves the right to modify and change its products and specifications without prior notice.



- Well balanced molecular weight viscosity index improver has superior low temperature fluid characteristic and improves low temperature starting performance. It provides oil quickly to the main parts of engine even low temperature engine start.
- An antioxidant is added, it realizes longer engine oil life and maximizes engine performance. It is possible to use in motorsports.
- Gulf ARROW GT50 10W-50 is recommended using in turbo charged cars, large-size engine cars and tuned cars driven under high temperature and high load environment.

## Specifications, Approvals & Typical Properties



Meets the following Specifications		10W-50
API		SN/CF Equivalent
ACEA		A3/B3 Equivalent
Typical Properties	JIS Method	Typical Values
Density @15°C	K 2249-1	0.864
Viscosity @40°C	K 2283	103.7
Viscosity @100°C	K 2283	18.82
Viscosity Index	K 2283	203
Flash Point, °C	K 2265-4	230
Pour Point, °C	K 2269	-40.0
Package		Per Box(Packing)
1 Liter CAN		CAN 1L x 12
4 Liter CAN		CAN 4L x 3
20 Liter CAN		CAN 20L

15112017

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. No warranty expressed or implied is given concerning the accuracy of the information or the suitability of the products. GOTCO-Japan reserves the right to modify and change its products and specifications without prior notice.