

# FLYERS SYN BLEND MOTOR OIL

## SAE 5W-20, SAE 5W-30 & SAE 10W-30

Premium Synthetic Blend Motor Oil that protects against deposit and sludge formation and provides excellent wear protection to critical engine parts.

### FEATURES

Flyers Branded Motor Oils are quality Synthetic Blend automotive engine oils. All grades are formulated with high quality base stocks, and robust additive packages including shear-stable viscosity index improvers, detergents, dispersants, anti-wear agents, corrosion inhibitors, antioxidants and foam inhibitors.

Anti-wear additives provide excellent wear protection of critical engine parts.

A high level of dispersancy in Flyers Syn Blend Motor Oils protects against deposit and sludge formation in stop-and-go driving, sustained high temperature operation, and protects against corrosion.

Their excellent high temperature oxidation stability helps prevent viscosity increase and oil gelling in the crankcase. They help keep PCV systems clean to maintain smooth engine performance.

### CUSTOMER BENEFITS

Flyers Motor Oils deliver value through:

**Excellent** anti-wear protection

**Protection** against thermal breakdown

**Clean engines** and positive crankcase ventilation systems resulting in minimal deposits under heavy load and stop-and-go driving conditions

**Meets or exceeds** warranty requirements of car and light truck manufacturers relying on an API SN, SM, SL, or SJ service category motor oil

**Energy savings**—API Resource Conserving designation for SAE 5W-20, 5W-30 & 10W-30 grades

### FLYERS MOTOR OIL TYPICAL TEST DATA

SAE GRADE	5W-20	5W-30	10W-30
Viscosity, Kinematic			
cSt at 40° C	49.3	63.1	69.4
cSt at 100° C	8.4	10.2	10.6
Viscosity, Cold Crank, °C/Poise	5800@-30°	6100@-30°	6430@-25°
Viscosity Index	146	157	141
Flash Point, °C (°F)	>200 (392)	>200 (392)	>200 (392)
Pour Point, °C (°F)	-36 (-33)	-36 (-33)	-33 (-27)
Sulfated Ash, wt %	0.9	0.9	0.9
Base Number, ASTM D2896	8.4	8.4	8.4
Phosphorus, wt %	0.076	0.076	0.076
Zinc, wt %	0.085	0.085	0.085

### APPLICATIONS

Flyers Branded Premium Motor Oils are recommended for use where the following performance specifications are required.

*Flyers Motor Oils are suitable for use in four-stroke gasoline engines used in passenger cars, light trucks, powerboats, motorcycles, and other mobile and stationary equipment. They are excellent for high-revving engines in small cars and light trucks. All grades are suitable for use in turbocharged engines.*

*SAE 5W-20 provides optimum fuel economy and durable performance. It is suitable for use in Ford and Honda vehicles specifying this viscosity grade.*

*SAE 5W-30, 10W-30 is recommended by the majority of auto manufacturers for their late model North American vehicles, under a wider variety of weather conditions. It provides excellent cold weather performance and carries the API Resource Conserving designation.*

### FLYERS Brand Premium Motor Oils meet:

#### API Service Categories

- SN
- SM, SL, SJ and all previous API "S" categories
- Resource Conserving API SN (5W-20, 5W-30 & 10W-30)
- ILSAC GF-5 (SAE 5W-20, 5W-30 & 10W-30)

#### Manufacturers' Performance Requirements

- Daimler Chrysler MS-6395 (SAE 5W-20, 5W-30, 10W-30)
- Ford WSS-M2C945-A (SAE 5W-20) WSS-M2C946-A (SAE 5W-30)
- General Motors GM 6094 (SAE 5W-20, 10W-30)

#### Department of Defense Commercial Item Description (CID)

- SAE J2362 (formally CID A-A-52039) (5W-30)

