



## Raysun Orio X8

### Synthetic Resource Conserving Motor Oil

Raysun Orio X8 series are advance passenger car motor oils specially developed for the most modern high output gasoline and turbocharged gasoline engines in passenger cars, sport utility vehicles, vans, and light- duty trucks.

These oils provide excellent protection against wear, deposits & sludge build-up and help protect engines even while operating on ethanol-containing fuels up to E85. All the viscosity grades meet the highest API quality recommended for the latest gasoline powered vehicles, API SN and SAE 0W -30, 5W-20, 5W -30, 5W-40, 10W -40 and SAE 15W-40 also meet API SN with "Resource Conserving" designation and ILSAC GF-5. These grades are formulated to help improve & retain fuel economy and protect vehicle emission system & turbocharger components.

#### Advantages

- State of the art additive technology coupled with premium base fluids makes these oils very robust in terms of improving sludge protection, piston cleanliness, turbo-charger protection, seal compatibility, wear protection and compatible with ethanol-containing fuels up to E85
- Offer excellent lubrication at low temperatures and protect engine at high temperatures
- The Special friction modifiers used in the Resource Conserving oils improve & retain fuel economy
- Superior volatility characteristics reduce oil consumption and hydro-carbon pollution
- Advanced additive chemistry helps in emission system durability
- These grades are compatible with conventional passenger car motor oils

#### Applications

- North American, European & Japanese high output gasoline engines in passenger cars, sport utility vehicles, (vans, and light-duty trucks where GF-5 and / or API SN, API SM, API SL quality oils specified (all grades
- Passenger cars and Light Duty Vehicles running on gasoline and ethanol-containing fuels up to E85

#### Specification

- API SN
- ILSAC GF-5

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SAE Viscosity Grades						ASTM Method	Specification
15W-40	10W-40	5W-40	5W-30	5W-20	0W-30		
0.876	0.863	0.852	0.853	0.851	0.842	D 1298	Density @ 15°C, kg/l
14	14	14	10	8.9	10	D 445	Viscosity @ 100 °C, cSt.
137	142	150	152	153	155	D 2270	Viscosity Index
240	240	224	222	220	218	D 92	Flash Point, °C
-33	-33	-42	-39	-48	-45	D 97	Pour Point, °C
6.2	6.2	6.2	6.2	6.2	6.2	D 2896	TBN, mg KOH/g

Note: "All of the results are typical and the results of each batch are presented in the COA sheet."