



ZEPRO ECO MEDALIST 0W-16

Premium Ultra Low Viscosity Synthetic Technology Engine Oil

Description and Application

ZEPRO ECO MEDALIST 0W-16 is Idemitsu's latest addition to the ECO MEDALIST lineup of 100% synthetic fuel economy enabling products. This ultra-low viscosity formulation is the perfect solution for new advanced technology hybrid (gasoline/electric) vehicles.

Originally developed for the Japanese market where SAE 0W-16 engine oils were first required for certain hybrid vehicles, Idemitsu has transferred this advanced ultra-low viscosity technology to our North American operations to provide our customers with the highest performance and quality SAE 0W-16 engine oil solution.

ZEPRO ECO MEDALIST 0W-16 is recommended for gasoline-fueled engines designed specifically to operate with ultra-low viscosity SAE 0W-16 engine oils.

Features and Benefits

- Enables industry leading fuel economy benefits to new low-friction engine designs.
- Incorporates innovative friction reducing and surface-active anti-wear additive chemistry to provide enhanced wear protection and durability for extended engine life.
- Formulated with specific low viscosity, very high viscosity index synthetic base oils fortified with unique lubricant film enhancing additive technology. Provides outstanding lubrication under severe driving conditions such as high heat, hard accelerations and stop-and-go driving.
- Ultra-low volatility formulation with outstanding chemical and viscosity stability to reduce tailpipe emissions and provide additional protection to the vehicle's emissions control system, including the catalytic converter.

Typical Characteristics

Test	Unit	Method	Typical Results
Appearance	----	Visual	Dark Brown/Clear
Density @ 15°C	g/cm ³	ASTM D4052	0.849
Viscosity, Kinematic @ 40°C	cSt	ASTM D445	34.5
Viscosity, Kinematic @ 100°C	cSt	ASTM D445	6.73
Viscosity Index	---	ASTM D2270	157
Viscosity, HTHS @ 150°C	cP	ASTM D4683	2.3
Viscosity, CCS @ -35°C	cP	ASTM D5293	5,800
Viscosity, MRV @ -40°C	cP	ASTM D4684	21,300
Flash Point, COC	°C	ASTM D92	218
Noack Volatility	wt%	ASTM D5800	13.0
Total Base Number (TBN)	mgKOH/g	ASTM D2896	7.4

Specifications & Approvals

ZEPRO ECO MEDALIST 0W-16 is recommended for new hybrid (gasoline/electric) vehicle applications specifically engineered to utilize the ultra-low SAE 0W-16 viscosity grade and API SN (SM, SL, SJ) performance category.

Always consult your vehicles maintenance guide for detailed instructions.



Idemitsu engineers advanced technology engine oils that provide superior fuel economy and unsurpassed engine protection under the most severe operating conditions. It is no surprise that Idemitsu has been selected as the provider of factory and service-fill automotive lubricants to many of the largest global vehicle manufacturers.