

## ZEPRO ECO MEDALIST ADVANCED MOLY 0W-20

### Premium Ultra Low Friction Synthetic Technology Engine Oil

#### Description and Application

ZEPRO ECO MEDALIST ADVANCED MOLY 0W-20 represents the most advanced combination of low viscosity and low friction lubricant technologies. Idemitsu pioneered the SAE 0W-20 viscosity grade to enable vehicle manufacturers to achieve better efficiencies and meet stringent fuel economy standards. ZEPRO ECO MEDALIST ADVANCED MOLY 0W-20 incorporates our latest innovations in friction-reducing chemistry to deliver an even higher potential for fuel economy improvement and reduced emissions.

ZEPRO ECO MEDALIST ADVANCED MOLY 0W-20 was developed and optimized for high-performance, high-efficiency Japanese engine technologies. The same performance benefits can be realized by domestic and other import vehicles, thus it is recommended for all high performance cars, SUVs and light-duty trucks that specify the use of API SN (SM, SL, and SJ) engine oil and for vehicle owners who want to achieve maximum fuel economy without sacrificing wear protection or engine durability.

#### Features and Benefits

- The advanced organometallic molybdenum compound synergistically functions with Idemitsu's proprietary formulation chemistry to dramatically lower friction coefficients while also enhancing oxidation and wear control.
- ZEPRO ECO MEDALIST ADVANCED MOLY 0W-20 is compatible with yellow metals such as copper and bronze and provides excellent corrosion protection.
- ZEPRO ECO MEDALIST ADVANCED MOLY 0W-20 is the factory-fill oil for a leading global vehicle manufacturer and enables better engine efficiency and lower friction versus typical SAE 0W-20 ultra low viscosity oils.

#### Typical Characteristics

Test	Unit	Method	Typical Results
Appearance	----	Visual	Dark Brown/Clear
Density @ 15°C	g/cm <sup>3</sup>	ASTM D4052	0.847
Viscosity, Kinematic @ 40°C	cSt	ASTM D445	36.3
Viscosity, Kinematic @ 100°C	cSt	ASTM D445	8.30
Viscosity Index	---	ASTM D2270	215
Viscosity, HTHS @ 150°C	cP	ASTM D4683	2.6
Viscosity, CCS @ -35°C	cP	ASTM D5293	4,900
Viscosity, MRV @ -40°C	cP	ASTM D4684	16,100
Flash Point, COC	°C	ASTM D92	215
Noack Volatility	wt%	ASTM D5800	14.0
Total Base Number (TBN)	mgKOH/g	ASTM D2896	9.0

#### Specifications & Approvals

ZEPRO ECO MEDALIST ADVANCED MOLY 0W-20 is recommended for all domestic and imported vehicle applications that require the use of API SN (SM, SL, SJ) performance category and SAE 0W-20 viscosity grade.

*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.

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#### Idemitsu is ISO Certified:

ISO 9001:2008  
ISO 14001:2004  
ISO/TS 16949:2009



*Idemitsu Lubricants America Corporation Typical Properties are provided as reference and may vary slightly. They do not constitute a specification. Product formulations and information contained herein are subject to change without notification.*