

SAE 0W20 ATOG FULLY SYNTHETIC OIL

Performance Standard: API SJ/SL/SM/SN



Product Description

ATOG LUBES EVO 0W20 FULLY SYNTHETIC is an extra high performance petrol engine oil that provides excellent lubrication of today's petrol engines promoting extended engine life. As a result, this product meets or exceeds the specifications of virtually all major European and American engine manufacturers. This extra high performance has been proven in the field in a wide variety of industries, applications, and mixed fleets.

EVO

E- Extra Protection to Engine, Clutch & Gears

V- Value for Money with 70% Extra Mileage

O- Outstanding Performance in all Weathers

Features and Benefits

ATOG LUBES EVO 0W20 FULLY SYNTHETIC is formulated from high performance base oils and a superior balanced additive system to provide optimum engine performance in modern diesel and gasoline engines as well as older models. The key benefits include:

Features	Advantages and Benefits
High thermal and oxidation stability	Reduced sludge build-up, deposits and viscosity increase
TBN reserves	Deposit control and acid neutralization
Stay-in-grade shear stability	Wear protection and viscosity control
Excellent low temperature properties	Start-up wear protection
Meets demanding specifications of key OEMs	One engine oil for mixed fleet operations

Applications

- ✚ High-performance engine oil for all types of cars where this viscosity is recommended
- ✚ Recommended for extreme cold conditions to help deliver quick starts and fast lubrication.

✚ Engineered to help deliver outstanding engine protection and improved fuel economy.

**ATOG LUBES EVO 0W20 meets or exceeds
the requirements of the following industry and builder specifications**

API SL/SM/SN	MB-Approval 228.3	API CF
ACEA E7	Mack EO-M PLUS/EO-N	ACEA A2/B2
Caterpillar ECF-2	Volvo VDS-3	Volvo VDS-2
Cummins CES 20078, 20077, 20076	Renault Trucks RLD-2	Renault Trucks RLD
JASO DH-1	MTU Oil Category 2	

TYPICAL PROPERTIES:

SL NO	TEST PARAMETERS	TEST METHODS	UNITS	RESULTS**
1	Appearance	Visual	NONE	Bright & Clear
2	Color	ASTM D 1500-12	NONE	Report
3	Total Base Number	ASTM D 2896	mg KOH/g	Min 7
4	Density @ 15°C	ASTM D 4052-11	g/ml	0.8497
5	Kinematic Viscosity @ 40 °C	ASTM D 445	cSt	44.8
6	Kinematic Viscosity @ 100 °C	ASTM D 445	cSt	8.7
7	Viscosity Index	ASTM D 2270	NONE	177
8	Pour Point	ASTM D 97	°C	-47
9	CCS @ -35°C	ASTM D 5293	cP	6100
10	Flash Point	ASTM D 92	°C	224

(**The features mentioned above are average values obtained with some variability in production and do not constitute a specification)

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed.

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Cummins CES 20078, 20077, 20076	Renault Trucks RLD-2	Renault Trucks RLD
JASO DH-1	MTU Oil Category 2	

TYPICAL PROPERTIES:

SL NO	TEST PARAMETERS	TEST METHODS	UNITS	RESULTS**
1	Appearance	Visual	NONE	Bright & Clear
2	Color	ASTM D 1500-12	NONE	Report
3	Total Base Number	ASTM D 2896	mg KOH/g	Min 7
4	Density @ 15°C	ASTM D 4052-11	g/ml	0.8507
5	Kinematic Viscosity @ 40 °C	ASTM D 445	cSt	62.9
6	Kinematic Viscosity @ 100 °C	ASTM D 445	cSt	10.9
7	Viscosity Index	ASTM D 2270	NONE	166
8	Pour Point	ASTM D 97	°C	-49
9	CCS @ -35°C	ASTM D 5293	cP	6100
10	Flash Point	ASTM D 92	°C	226

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SAE 0W40 ATOG FULLY SYNTHETIC OIL

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ATOG LUBES EVO 0W40 FULLY SYNTHETIC is an extra high performance petrol engine oil that provides excellent lubrication of today's petrol engines promoting extended engine life. As a result, this product meets or exceeds the specifications of virtually all major European and American engine manufacturers. This extra high performance has been proven in the field in a wide variety of industries, applications, and mixed fleets.

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API SL/SM/SN	MB-Approval 228.3	API CF
ACEA E7	Mack EO-M PLUS/EO-N	ACEA A2/B2
Caterpillar ECF-2	Volvo VDS-3	Volvo VDS-2
Cummins CES 20078, 20077, 20076	Renault Trucks RLD-2	Renault Trucks RLD
JASO DH-1	MTU Oil Category 2	

TYPICAL PROPERTIES:

SL NO	TEST PARAMETERS	TEST METHODS	UNITS	RESULTS**
1	Appearance	Visual	NONE	Bright & Clear
2	Color	ASTM D 1500-12	NONE	Report
3	Total Base Number	ASTM D 2896	mg KOH/g	Min 7
4	Density @ 15°C	ASTM D 4052-11	g/ml	0.8543
5	Kinematic Viscosity @ 40 °C	ASTM D 445	cSt	70.8
6	Kinematic Viscosity @ 100 °C	ASTM D 445	cSt	12.9
7	Viscosity Index	ASTM D 2270	NONE	186
8	Pour Point	ASTM D 97	°C	-50
9	CCS @ -35°C	ASTM D 5293	cP	6100
10	Flash Point	ASTM D 92	°C	226

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Applications

- ✚ High-performance engine oil for all types of cars where this viscosity is recommended

- This includes high-performance turbo-charged, supercharged gasoline multi-valve fuel injected engines found in passenger cars, SUVs, light vans and trucks.

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ACEA E7	Mack EO-M PLUS/EO-N	ACEA A2/B2
Caterpillar ECF-2	Volvo VDS-3	Volvo VDS-2
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JASO DH-1	MTU Oil Category 2	

TYPICAL PROPERTIES:

SL NO	TEST PARAMETERS	TEST METHODS	UNITS	RESULTS**
1	Appearance	Visual	NONE	Bright & Clear
2	Color	ASTM D 1500-12	NONE	Report
3	Total Base Number	ASTM D 2896	mg KOH/g	Min 7
4	Density @ 15°C	ASTM D 4052-11	g/ml	0.8596
5	Kinematic Viscosity @ 40 °C	ASTM D 445	cSt	49.47
6	Kinematic Viscosity @ 100 °C	ASTM D 445	cSt	8.68
7	Viscosity Index	ASTM D 2270	NONE	155
8	Pour Point	ASTM D 97	°C	-42
9	CCS @ -30°C	ASTM D 5293	cP	6300
10	Flash Point	ASTM D 92	°C	218

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Caterpillar ECF-2	Volvo VDS-3	Volvo VDS-2
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JASO DH-1	MTU Oil Category 2	

TYPICAL PROPERTIES:

SL NO	TEST PARAMETERS	TEST METHODS	UNITS	RESULTS**
1	Appearance	Visual	NONE	Bright & Clear
2	Color	ASTM D 1500-12	NONE	Report
3	Total Base Number	ASTM D 2896	mg KOH/g	Min 7
4	Density @ 15°C	ASTM D 4052-11	g/ml	0.8665
5	Kinematic Viscosity @ 40 °C	ASTM D 445	cSt	62.40
6	Kinematic Viscosity @ 100 °C	ASTM D 445	cSt	10.18
7	Viscosity Index	ASTM D 2270	NONE	150
8	Pour Point	ASTM D 97	°C	-42
9	CCS @ -30°C	ASTM D 5293	cP	6300
10	Flash Point	ASTM D 92	°C	218

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Caterpillar ECF-2	Volvo VDS-3	Volvo VDS-2
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JASO DH-1	MTU Oil Category 2	

TYPICAL PROPERTIES:

SL NO	TEST PARAMETERS	TEST METHODS	UNITS	RESULTS**
1	Appearance	Visual	NONE	Bright & Clear
2	Color	ASTM D 1500-12	NONE	Report
3	Total Base Number	ASTM D 2896	mg KOH/g	Min 7
4	Density @ 15°C	ASTM D 4052-11	g/ml	0.8646
5	Kinematic Viscosity @ 40 °C	ASTM D 445	cSt	93.09
6	Kinematic Viscosity @ 100 °C	ASTM D 445	cSt	14.42
7	Viscosity Index	ASTM D 2270	NONE	161
8	Pour Point	ASTM D 97	°C	-45
9	CCS @ -30°C	ASTM D 5293	cP	6300
10	Flash Point	ASTM D 92	°C	214

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API SL/SM/SN	MB-Approval 228.3	API GF-5
ACEA E7	Mack EO-M PLUS/EO-N	ACEA A2/B2
Caterpillar ECF-2	Volvo VDS-3	Volvo VDS-2
Cummins CES 20078, 20077, 20076	Renault Trucks RLD-2	Renault Trucks RLD
JASO DH-1	MTU Oil Category 2	

TYPICAL PROPERTIES:

SL NO	TEST PARAMETERS	TEST METHODS	UNITS	RESULTS**
1	Appearance	Visual	NONE	Bright & Clear
2	Color	ASTM D 1500-12	NONE	Report
3	Total Base Number	ASTM D 2896	mg KOH/g	Min 7
4	Density @ 15°C	ASTM D 4052-11	g/ml	0.867
5	Kinematic Viscosity @ 40 °C	ASTM D 445	cSt	64.82
6	Kinematic Viscosity @ 100 °C	ASTM D 445	cSt	10.45
7	Viscosity Index	ASTM D 2270	NONE	150
8	Pour Point	ASTM D 97	°C	-42
9	CCS @ -25°C	ASTM D 5293	cP	6600
10	Flash Point	ASTM D 92	°C	220

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TYPICAL PROPERTIES:

SL NO	TEST PARAMETERS	TEST METHODS	UNITS	RESULTS**
1	Appearance	Visual	NONE	Bright & Clear
2	Color	ASTM D 1500-12	NONE	Report
3	Total Base Number	ASTM D 2896	mg KOH/g	Min 7
4	Density @ 15°C	ASTM D 4052-11	g/ml	0.8736
5	Kinematic Viscosity @ 40 °C	ASTM D 445	cSt	98.19
6	Kinematic Viscosity @ 100 °C	ASTM D 445	cSt	14.68
7	Viscosity Index	ASTM D 2270	NONE	155
8	Pour Point	ASTM D 97	°C	-39
9	CCS @ -25°C	ASTM D 5293	cP	6600
10	Flash Point	ASTM D 92	°C	224

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