



# MAX 1

## Features

- Top level API performance rating SM for gasoline and propane engines
- ILSAC GF-4 qualified for warranty use (5W20, 5W30, and 10W30)
- Energy Conserving rating (5W20, 5W30, and 10W30)
- Formulated for Ford, Honda, & Mazda vehicles (5W20)

## Benefits

- Outstanding resistance to viscosity breakdown, even under high temperature, high shear conditions
- Maximum wear protection
- Improved detergency to prevent deposits and varnish
- Improved oxidation resistance
- Excellent cold weather performance

Irving Oil constantly strives to develop motor oils that exceed the highest qualifications and specifications of the North American motor industry. **MAX 1** clearly makes a statement of excellence by exceeding the requirements of the American Petroleum Institute's (API) highest performance level SM, as well as the latest ILSAC GF-4 requirements for warranty of the latest models by all domestic automobile manufacturers.

**MAX 1** is a multi-grade conventional engine oil, providing cold start protection, extend the engine life, and superior fuel economy with a new technology. We use a vanguard type of additives and a new generation of high quality base oil.

Our API performance are measured in actual engines but under controlled conditions, and requires dismantling the engines after each test to measure wear and deposits as well as the condition of the oil. The test conditions are severe, harder than an engine oil would see in normal service, so that an oil that passes all the tests is sure to perform well in the field.

Appropriate grades of Irving **MAX 1** are suitable for even the severe service typical of city delivery, taxi and police cars. It is also tough enough to withstand the most severe driving conditions the average consumer can impose on it - that is stop-and-go city driving, short trips in cold weather and trailer-towing in hot weather. Lighter grades of Irving **MAX 1** offer full fuel economy benefits as indicated by their Energy-Conserving rating.

Irving **MAX 1 5W20**, **5W30** and **10W30** are qualified for warranty service in new vehicles, as indicated by the ILSAC GF-4 rating and "starburst" symbol on bottle labels.



## Typical Performance Results

SAE GRADE	5W20	5W30	10W30	10W40	20W50
<b>VISCOSITY (D-445)</b>					
cSt @ 40°C	50.9	64.9	70.4	110.8	154.1
cSt @ 100°C	8.5	10.7	10.5	15.6	18.4
<b>VISCOSITY INDEX (D-2270)</b>	144	155	136	149	134
<b>FLASH POINT (°C) (D-92)</b>	230	225	227	228	238
<b>COLD CRANK SIMULATOR (D-2602)</b>					
cP @ -15°C (max. 9500)	-	-	-	-	4342
cP @ -25°C (max. 7000)	-	-	6498	6639	-
cP @ -30°C (max. 6600)	5180	6208	-	-	-
<b>LOW TEMP. PUMPING (D-3829)</b>					
cP @ -20°C (max. 60000)	-	-	-	-	17407
cP @ -30°C (max. 60000)	-	-	18231	35987	-
cP @ -35°C (max. 60000)	13297	20229	-	-	-
<b>TOTAL BASE NUMBER (D-2896)</b>	7.2	7.1	6.9	7.1	7.1

## Available Packages Sizes

	946ml. (1 US qt)	3.78L (1 US Gal)	210L (55.5 US Gal)	500L (12 US Gal)	1000L (264 US Gal)	Bulk
MAX 1 5W20	X	X	X		X	X
MAX 1 10W30	X	X	X	X	X	X
MAX 1 20W50	X	X	X	X		
MAX 1 5W30	X	X	X	X	X	X
MAX 1 10W40	X	X	X	X		

Check with sales representative or website for the latest product approvals.

