



# Lyden Oil Company

## ProGuard

### Product Information

#### ProGuard Passenger Car Motor Oil

**ProGuard Passenger Car Motor Oils** are synthetic blend, multigrade automotive lubricants formulated to meet or exceed the warranty requirements of most major manufacturers of gasoline engines. They provide better fuel economy, oxidation control, and lower emissions than previous generation oils, and provide for enhanced sludge and deposit control, leading to better overall cleanliness of the engine. They're formulated and tested to protect seals in today's engines, and they contain additives to help mitigate the effects of water retention and absorption, which can occur when using ethanol-containing gasoline.

**ProGuard Passenger Car Motor Oils** are suitable for use in all seasons. All viscosity grades are licensed with the American Petroleum Institute under the SN Plus specification (API license # 2439) and are backward compatible with all older API "S" categories. They are also licensed as API Resource Conserving and the ILSAC GF-5 specification. They also meet the requirements of Ford's WSS-M2C945-A (5W-20) and WSS-M2C946-A (5W-30) specifications and Chrysler's MS-6395 specification.

#### Typical Properties

##### ProGuard

##### Passenger Car Motor Oil

	5W-20	5W-30	10W-30
Product Code Number	17984	17985	17986
Viscosity, ASTM D-445			
cSt at 100 °C	8.5	10.8	10.5
cSt at 40 °C	46.8	67.5	65.1
Viscosity Index	160	150	150
Cold Cranking Viscosity, ASTM D-5293			
cP at Temp °C	6,200 at -30	6,300 at -30	6,600 at -25
Pumpability, MRV, ASTM D-4684			
cP at Temp °C	30,000 at -35	30,000 at -35	35,000 at -30
HTHS Viscosity, cP, ASTM D-4683	2.6	3.1	3.1
Pour Point, °C (°F), ASTM D-5950	-47 (-52)	-42 (-43)	-36 (-32)
NOACK Volatility, % wt. loss, ASTM D-5800	15	15	8
Total Base Number, ASTM D-2896			
mg KOH/g	7.9	7.9	7.9
Zinc, % wt.	0.085	0.085	0.085
Phosphorus, % wt.	0.077	0.077	0.077
Maximum API Performance Category	SN Plus	SN Plus	SN Plus

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