



## PASSENGER CAR ENGINE OIL

### DESCRIPTION

49 North® Passenger Car Engine Oils use high performance oil technology to reduce sludge and varnish buildup, provide enhanced fuel economy, and reduced engine wear. They have reduced zinc and phosphorus levels to extend exhaust catalyst life to provide excellent performance in current model automotive engines.

### QUALITIES

Our Passenger Car Engine Oils are blended from highly refined petroleum base oils and quality additives. These high performance oils have enhanced oxidation stability and detergency over previous generation oils. They work better at the higher temperatures encountered in today's higher speed engines, resulting in reduced sludge and varnish deposits, and their excellent antiwear capability protects sensitive valve train components better. 49 North® Passenger Car Engine Oils are formulated with an extra heavy-duty additive package to provide maximum protection and enhance fuel economy over previous generation oils.

### APPLICATIONS

49 North® Passenger Car Engine Oils are recommended for all gasoline engines. They meet and exceed passenger car manufacturers' specifications for 5W20, 5W30, or 10W30 engine oils.

### Meets and/or Exceeds Requirements of:

API SM  
ILSAC GF-4 Energy Conserving  
CID-A-A-52039B  
GM 4718M (10W30)  
Ford M2CC930-A or M2C153-H (5W20)  
Ford M2C929-A (5W30)  
Daimler Chrysler MS6395-N

### TYPICAL PROPERTIES

ISO Viscosity Grade	5W20	5W30	10W30
Product Code:	20802	20805	20813
API Gravity (ASTM D-1298)	32.7	33.2	31.4
Viscosity (ASTM D 445):			
cSt at 40° C	41	58	65
cSt at 100° C	7.5	10	10.5
SUS at 100° F	209	295	340
SUS at 210° F	51	60	62
Viscosity Index (ASTM D2270)	152	160	145
Pour Point (ASTM D 97) °F(°C)	-40(-40)	-35(-39)	-25(-32)
Flash Point (ASTM D 92) °F(°C)	320(165)	320(165)	410(210)
Phosphorus Content, ppm	770	770	770
TBN (ASTM D-2896)	7.1	7.1	7.1

## Lubricants For All Reasons