



TECH REPORT



The Original Bardahl USA

# MVP 20W-50 SEMI-SYNTHETIC MOTOR OIL

**Specifications: API SP**

ProductNo(s): 22110-22113

## Product Description

**MVP 20W-50 SEMI-SYNTHETIC MOTOR OIL** is a high performance passenger car engine oil designed to meet the latest car manufacturers warranty requirements. Specifically formulated to meet the demands of the small displacement high RPM fuel efficient engines found in today's domestic and foreign automobiles. The oil is a blend of the premium base oils and special additives which protects against high temperature oxidation, wear, and viscosity breakdown. It is fortified with detergent-dispersants, rust, corrosion inhibitors and friction modifiers to keep engines exceptionally clean and free of sludge, varnish rust and meet the fuel economy requirements.



## Advantages & Uses

- **MVP 20W-50** meets or exceeds API Service Classifications of SP and is recommended for domestic and foreign high performance engines. It is recommended for small, high RPM engines including those that are turbo-charged.
- Recommended for passenger cars, light duty pickups, motorcycles and other gasoline engines

## Features

- MVP 20W-50 meets or exceeds OEM warranty requirements.
- Highly oxidation stable - protects engine from oil thickening, high temperature sludge and varnish deposits.
- Shear stable viscosity index improver protects against viscosity breakdown in severe service.
- Effective detergent-dispersants keeps engine parts clean.
- Improved fuel economy means better gasoline mileage.
- High TBN / alkaline reserve effectively neutralizes corrosive acids formed by combustion to protect critical turbo charger bearings and other vital engine surfaces.
- Anti-wear agents effectively protect cam lobes and other highly loaded parts from wear.

## Typical Specifications

TEST	ASTM	Result
Gravity, °API	D-287	30.5
Flash Point, °C	D-92	205
Pout Point, °C	D-97	-30
Viscosity: cSt @ 100 °C	D-445	18.0
Viscosity: cSt @ -30 °C	D-5293	6,200
Viscosity Index	D-2270	145
Apearance	Visual	Bright & Clear
Color	D-1500	Amber
Zinc, Wt. %	D-5185	0.085
Phos, Wt. %	D-5185	0.077
TBN	D-2896	7.9

VALUES SHOWN HERE ARE TYPICAL AND MAY VARY