

## ADVANTAGE EURO PLUS SERIES FULL SYN PASSENGER CAR ENGINE OILS

### OVERVIEW

**ADVANTAGE EURO PLUS SERIES FULL SYN PASSENGER CAR ENGINE OILS** are designed to meet the high standards of lubrication for modern naturally aspirated, turbo-charged and super-charged engines. Designed for the latest high-performance European gasoline and diesel engines, **ADVANTAGE EURO PLUS SERIES FULL SYN** products maintain extended drain intervals and enhanced fuel economy, while providing superior oxidation protection, and low temperature flow properties.

### FEATURES & BENEFITS

**ADVANTAGE EURO PLUS SERIES FULL SYN** engine oil products provide superior engine wear protection by inhibiting the formation of sludge and varnish as well as rust and bearing corrosion. **ADVANTAGE EURO PLUS SERIES FULL SYN** engine oil products use synthetic base stocks and advanced additive systems and have excellent viscosity and thermal breakdown properties at higher temperatures, while still providing protection during cold starts. They are low volatility oils leading to reduced oil consumption.

### APPLICATIONS

**ADVANTAGE EURO PLUS SERIES FULL SYN** engine oil products are "High-SAPS" lubricants with excellent TBN retention and viscosity increase control essential for extended drain applications. Their unique formulation protects gasoline and diesel engines designed for extended service ranges or higher performance. The high level of alkalinity in these oils provides long-lasting and effective protection from the effects of acidic compounds formed due to the combustion process, as it is designed to deplete slowly over its service life. This ensures high levels of engine cleanliness, reduced deposits formation, and a superior lubricant for demanding applications. **ADVANTAGE EURO PLUS SAE 0W-40** is recommended for Chrysler applications that call for MS-12633 type oils.

### SPECIFICATIONS

**0W-40 EURO PLUS:** API SN • ACEA A3/B3, A3/B4 • CHRYSLER MS-12633 • MB 229.3 • MB 229.5 • MB 226.5 • PORSCHE A40 • RENAULT RN 0700/0710 • VW 502.00/505.00

**5W-30 EURO PLUS:** API SN/CF • ACEA A3/B3, A3/B4 • MB 229.3 • MB 229.5 • MB 226.5 • RENAULT RN 0700/0710 • VW 502.00/505.00

**5W-40 EURO PLUS:** API SN/CF • ACEA A3/B3, A3/B4 • MB 229.3 • MB 229.5 • MB 226.5 • BMW-LL-01 • PSA B71 2290 • PORSCHE A40 • RENAULT RN 0700/0710 • VW 502.00/505.00

### TYPICAL PROPERTIES

PRODUCT CODES	655	652	653
Product	0W-40 EURO PLUS	5W-30 EURO PLUS	5W-40 EURO PLUS
Viscosity, cSt @ 100°C	13.3	11.6	13.2
Viscosity, CCS cP @ -30°C	5800	5780	5800
Phosphorous, Wt. (%)	.09	.09	.09
Zinc, Wt. (%)	.10	.10	.10
Sulfated Ash, % wt.	1.1	1.0	1.1
HTHS cP @ 150°C	3.7	3.6	3.6
NOACK, Wt. (%)	10.0	10.0	10.0
TBN	12	12	12