

## ADVANTAGE EURO SERIES FULL SYN PASSENGER CAR ENGINE OILS

### OVERVIEW

**ADVANTAGE EURO 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 SERIES FULL SYN** products maintain required drain intervals and enhanced fuel economy, while providing superior oxidation protection, and low temperature flow properties.

### FEATURES & BENEFITS

**ADVANTAGE EURO 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 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 SERIES FULL SYN** engine oil products are a "reduced SAPS" product designed for modern engines fitted with aftermarket devices to help OEM's comply with environmental emissions legislation. Their unique formulation protects key downstream components to ensure long exhaust system life, provides superior wear protection for lower viscosity formulations, and ensures long engine life in both gasoline and diesel designs.

### SPECIFICATIONS

**5W-30 EURO: API SN/CF • GM dexos2 • ACEA C3-16 • MB 229.31 • MB 229.51 • MB 229.52 • MB 226.5 • BMW LL-04 • RENAULT RN 0700/0710 • VW 505.00/505.01**

**5W-40 EURO: API SN/CF • GM dexos2 • ACEA C3-16 • MB 229.31 • MB 229.51 • MB 229.52 • MB 226.5 • BMW LL-04 • PORSCHE A40 • RENAULT RN 0700/0710 • VW 505.00/505.01**

### TYPICAL PROPERTIES

PRODUCT CODES	650	651
Product	5W30 EURO	5W-40 EURO
Viscosity, cSt @ 100°C	12.1	13.2
Viscosity, CCS cP @ -30°C	5640	5710
Phosphorous, Wt. (%)	0.080	0.080
Zinc, Wt. (%)	0.088	0.088
HTHS cP @150°C	3.5	3.6
NOACK, Wt. (%)	10.0	10.0
TBN	8	8