

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 "Mid-SAPS" lubricants designed for modern engines fitted with aftermarket devices to help OEMs 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

0W-20 EURO: API SP • ACEA C6-21, C5-21, C5-16 • FORD WSS-M2C952-A1 • MB 229.71 • OPEL OV0401547 • ST JLR.03.5006

5W-30 EURO: API SP/GF-6A • ACEA C3-21, C3-16 • BMW LL-04 • MB 229.31 • MB 229.51 • MB 229.52 • MB 226.5 • OPEL OV0401547 • RENAULT RN 0700/0710 • VW 505.00/505.01

5W-40 EURO: API SP • ACEA C3-21, C3-16 • BMW LL-04 • MB 229.31 • MB 229.51 • MB 229.52 • MB 226.5 • OPEL OV0401547 • RENAULT RN 0700/0710 • VW 505.00/505.01

TYPICAL PROPERTIES

PRODUCT CODES	677	650	651
Product	0W-20 EURO	5W30 EURO	5W-40 EURO
Viscosity, cSt @ 100°C	8.1	12.1	13.2
Viscosity, CCS cP @ -30°C	5000	6300	6000
Phosphorous, Wt. (%)	0.080	0.080	0.080
Zinc, Wt. (%)	0.088	0.088	0.088
HTHS cP @ 150°C	2.6	3.5	3.6
NOACK, Wt. (%)	11.0	10.0	10.0
TBN	9.5	9.5	9.5