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ADVANTAGE EUROPEAN SYN V SERIES FULL SYN ENGINE OILS

OVERVIEW

ADVANTAGE EURO SYN V 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 SYN V 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 SYN V 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 SYN V 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 SYN V SERIES FULL SYN engine oil products are specifically formulated for VW engine designs and low-SAPS, Euro IV emissions standard complaint diesel engines. ADVANTAGE EURO SYN V SAE 5W-30 and SAE 0W-30 are suitable for almost all model year 2000 and newer VAG passenger car diesel engines specifying a 504.00-507.00 specification and that have extended service intervals, unitary injector pumps, or "PD" engines. ADVANTAGE EURO SYN V SAE 0W-20 has been expressly formulated for the latest 508.00-509.00 specification that demands enhanced fuel economy, compatibility with aftermarket exhaust treatment systems, extended drain intervals, and enhanced wear protection even at lower viscosities.

SPECIFICATIONS

0W-20 EURO SYN V: API SP, SN PLUS • ACEA C5-21, C5-16 • PORSCHE C20 • VW 508.00/509.00, TL 525 77
0W-30 EURO SYN V: ACEA C3-21, C3-16 • BMW-LL-04 • MB 229.31, 229.51, 229.52 • PORSCHE C30 • VW 504.00/507.00, TL 525 45
5W-30 EURO SYN V: API SN • ACEA C3-16 • BMW-LL-04 • MB 229.31, 229.51, 229.52 • PORSCHE C30 • VW 504.00/507.00, TL 521 95

TYPICAL PROPERTIES

PRODUCT CODES	**658**	**659**	**654**
Product	0W-20 EURO SYN V	0W-30 EURO SYN V	5W-30 EURO SYN V
Appearance	Blue	Amber	Amber
Viscosity, cSt @ 100°C	8.2	12.0	10.8
Viscosity, CCS cP @ -30°C	6300	5900	6300
Phosphorous, Wt. (%)	.080	.080	.080
Zinc, Wt. (%)	.088	.087	.087
Sulfated Ash, % wt.	.80	.70	.70
HTHS cP @150°C	2.7	3.5	3.6
NOACK, Wt. (%)	10.0	10.0	9.0
TBN	9.3	8.1	8.7