



### SYN 5W40 HP EURO High Performance Synthetic SAE 5W40 Engine Oil

#### Description

**SYN 5W40 HP EURO** is a full synthetic gasoline and light duty diesel engine oil engineered for high performance European automobiles including Mercedes Benz, Volkswagen, BMW and Porsche.

**SYN 5W40 HP EURO** is a unique blend of full sulfated ash, phosphorus and sulfur (SAPS) for long-term engine protection.

#### Physical, Chemical & Performance Properties

Properties	ASTM	Results
Product Number		016
SAE Grade		5W-40
<b>Kinematic Viscosity</b>		
At 100°C, cSt	D 445	13.5
At 40°C	D 445	83.1
Viscosity Index	D 2270	166
Cold Crank Simulator, cP	D 5293	5460 (-30°C)
Flash Point, °C (°F) (COC)	D 92	218(424)
Fire Point, °C (°F) (COC)	D 92	238 (460)
Pour Point, °C (°F) (COC)	D 97	-38 (-36)
NOACK (%wt loss)	D 5800	8.9%
Four Ball Wear Test 75°C, 1200rpm, 40kg, 1 hr	D 4172	0.48
Total Base Number (TBN)	D 2896	10.0
HTHS (cP)	D 4683	3.7

#### Features/Benefits

- ✓ **Excellent Heat Resistance and Cold Temperature Performance**
- ✓ **Highly Active Zinc/Phosphorus** delivers Excellent Wear Protection
- ✓ **High Dispersant/Detergent** Content Maintains Very Clean Engines
- ✓ **Meets Long Life Requirements of OEMs**
- ✓ **Compatible with Conventional and Synthetic Oil**

#### Applications

SYN 5W40 HP EURO is a non-licensed product designed to meet the following OEM specifications.

OEM Specification	
ACEA A3/B3, A3/B4	✓
API SN, SM...	✓
BMW LL-01	✓
Mercedes Benz 229.3/229.5	✓
Porsche A40	✓
OPEL GM-LL-B-025	✓
Renault 0710, 0700	✓
Volkswagen 502.00/505.00	✓