

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 mid sulfated ash, phosphorus and sulfur (SAPS) for improved emission control and is appropriate for use with Diesel Particulate Filters (DPF) and Three Way Catalyst (TWC) devices.

Physical, Chemical & Performance Properties

Properties	ASTM	Results
Product Number		016
SAE Grade		5W-40
Kinematic Viscosity		
At 100°C, cSt	D 445	14.2
At 40°C	D 445	88.0
Viscosity Index	D 2270	167
Cold Crank Simulator, cP	D 5293	5900 (-30°C)
Flash Point, °C (°F) (COC)	D 92	222 (432)
Fire Point, °C (°F) (COC)	D 92	242 (468)
Pour Point, °C (°F) (COC)	D 97	-40 (-40)
NOACK (%wt loss)	D 5800	10.2%
Four Ball Wear Test 75°C, 1200rpm, 40kg, 1 hr	D 4172	0.45
Total Base Number (TBN)	D 2896	7.8
HTHS (cP)	D 4683	3.8

Features/Benefits

- ✓ **Excellent Heat Resistance and Cold Temperature Performance**
- ✓ **Mid SAPS Meets OEM** Requirements for Emission System Protection
- ✓ **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 C3	✓
API CF, SN, SM, SL, SJ	✓
BMW LL-04	✓
GM dexos2™	✓
Mercedes Benz 229.31/229.51	✓
Porsche A40	✓
Volkswagen 502.00/505.01	✓
Chrysler MS 10850 (supercedes 10896)	✓
Ford WSS-M2C917-A	✓