

## SYNPOWER™ MST 5W-40

SynPower™ MST 5W-40 engine oil is specially designed for vehicles requiring a high performance full synthetic lubricant to meet the latest European emission requirements. Designed for modern engines, SynPower™ MST 5W-40 engine oil is approved against GM dexos2™ diesel engine oil specification whilst also meeting other European BMW, Mercedes Benz OEM specifications.

SynPower™ MST 5W-40 engine oil is low SAPS (Sulphated Ash, Phosphorus, Sulphur) technology and are safe for use in petrol engines fitted with TWC (three way catalyst) systems and diesel engines fitted with DPF (diesel particle filter) emission systems. Their unique anti-wear, detergent and dispersant chemistry minimises wear and keeps your engine factory clean for longer engine life.

### Specifications and Approvals

Synpower™ MST 5W-40*
API SN/CF
ACEA C3
GM dexos2™ <i>Approved</i>
MB 229.31, MB 229.51
BMW Long Life LL-04
Renault RN0700
Renault RN0710
Porsche A40

\* Check owners' manual before use.

### Applications

SynPower™ MST 5W-40 is a premium fully synthetic Low SAP engine oil approved against GM dexos2™. These full synthetic engine oils meet the latest requirements for Mercedes-Benz and other Euro IV and V diesel engines equipped with DPF technology (diesel particle filter), and/or TWC (three way catalyst).

Suitable for use in vehicles outside warranty service where specification ACEA A3/B4 are required.

### Features and Benefits

#### **Ultimate protection and performance**

SynPower engine oil is formulated with the highest quality base oils and latest additives to ensure ultimate protection and performance under all operating conditions. Designed to fulfill the latest standards of leading engine manufacturers.

#### **Viscosity Control**

Low temperature viscosity results in easy cold start and enhanced durability. Shear stability, improved film strength at extreme temperatures compared to non-synthetic products.

#### **Environment**

Low SAPS (Sulphated Ash, Phosphorous and Sulphur) formulation prevents deposit build up in diesel particulate filters and reduces exhaust emission.

#### **Optimized for emission control systems**

Specifically designed for use with emission control systems like DPF (Diesel Particulate Filter) and TWC (Three Way Catalyst)

**Excellent cold start performance** Instant oil flow at low temperatures provides easy cold starts and optimal lubrication within seconds after ignition

#### **Wear protection**

Ultimate wear protection and enhances engine life without adversely effecting emissions system life-time.

#### **Engine cleanliness**

Keeps engine extremely clean by minimizing deposits.

## Keeping the world moving since 1866™

Serving more than 100 countries around the globe, Valvoline is a leading marketer, distributor and producer of quality branded automotive and industrial products and services. Products include automotive lubricants including MaxLife™, the first motor oil specifically formulated for higher-mileage vehicles; transmission fluids; gear oils; hydraulic lubricants; automotive chemicals; specialty products; greases, and cooling system products.

For more information on Valvoline products, programs and services please visit [www.valvoline.com.au](http://www.valvoline.com.au) or contact the Technical Hotline on 1800 804 658 for product recommendations.

## Typical Properties

Typical property characteristics are based on current production. Whilst future production will conform to Valvoline™ specifications, variations in these characteristics may occur.

SynPower™ MST C3	Typical
SAE Viscosity Grade	5W-40
Viscosity @ 100 °C, mm <sup>2</sup> /s, ASTM D445	13.5
Viscosity @ 40 °C, mm <sup>2</sup> /s, ASTM D445	80.4
Viscosity Index, ASTM D2270	172
Density @ 15 °C, kg/L, ASTM D4052	0.850
Total Base Number, mg KOH/g, ASTM D2896	7.8
CCS Viscosity, mPa.s @ -30 °C, ASTM D5293	5500
Flash Point (COC), °C, ASTM D92	226
Pour Point, °C, ASTM D5950	-36

**Note:** SynPower™ MST C3 SAE 5W-40 engine oil may be unsuitable for use in some engines, always consult owners' manual if in doubt.

This information only applies to products manufactured in the following location(s): Australia

Part Number 5W-40	Pack Size
1293.01	1L
1293.05	5L
1293.20	20L
1293.28	208L

## Health and Safety

This product is not likely to present any significant health or safety hazards when used correctly in the right application. Safety Data Sheet (SDS) is available on request via your local sales office or 1800 804 658 or through our website [www.valvoline.com.au](http://www.valvoline.com.au)

## Protect the Environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

## Storage

Storage We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60 °C, exposed to hot sun or freezing conditions.

## Author:

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