



## G-Energy Synthetic Super Start 5W-30

Fully Synthetic Passenger Vehicle Engine Oil



Engine oil



Fully synthetic



Multigrade



Gasoline and diesel engines



Diesel Particulate Filters



Cold start protection



**G-BASE SYNTHETIC TECHNOLOGY** combines latest innovations, unique formulations, world class manufacturing techniques and quality management to produce high performance lubricants

**G-Energy Synthetic Super Start 5W-30** is fully synthetic engine oil designed to provide long engine life through enhanced lubrication and protection of the latest emission control systems and turbochargers. G-Energy Synthetic Super Start 5W-30 with G-Base synthetic technology provides enhanced viscosity, friction and volatility performance to ensure long lasting engine life. Advanced fully synthetic formulation can help to increase engine efficiency.

### Applications



- Turbo-charged and direct injection high performance gasoline and diesel engines
- Cars with environmental friendly exhaust systems, like EGR, DPF and TWC
- Passenger cars, SUV's, light trucks and vans

	Features	Advantages and Potential Benefits
	Advanced fully synthetic formula	Excellent overall lubrication and wear protection performance for many driving styles
	Lower ash additive package	Optimized for use with emission control systems like DPF (Diesel Particulate Filter) and TWC (Three Way Catalyst) to keep them in optimal conditions
	Excellent low temperature performance	Instant oil flow at low temperatures provides easy cold starts and optimal lubrication from the first seconds after ignition
	Wear protection	Strong oil film provides protection against wear under all operating conditions for long engine life
	Deposit control	Prevents forming of sludge and harmful deposits through the use of advanced detergent additives for engine cleanliness

### Recommendations

- ACEA C3
- API SN/CF
- BMW Longlife-04
- General Motors dexos2™
- MB 229.52
- MB 229.51
- VW 502.00/505.01

ISO 9001

ISO 14001

ISO/TS 16949

OHSAS 18001

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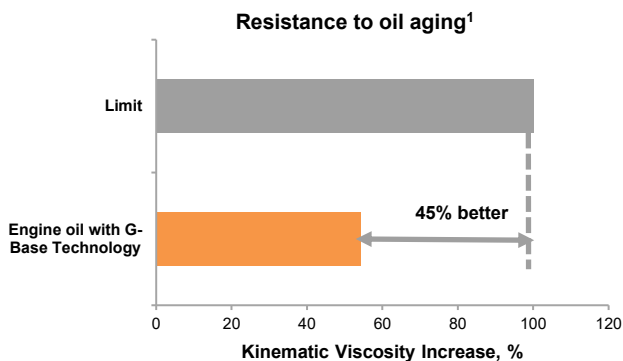
## Typical Characteristics

Properties	Method	G-Energy Synthetic Super Start 5W-30
SAE Viscosity Grade	SAE J300	5W-30
Kinematic Viscosity @40°C, mm <sup>2</sup> /s	ASTM D445	67,5
Kinematic Viscosity @100°C, mm <sup>2</sup> /s	ASTM D445	11,7
Viscosity Index	ASTM D2270	170
Total Base Number, mg KOH/g	ASTM D2896	7,4
Flash Point (COC), °C	ASTM D92	234
Pour Point, °C	ASTM D97	-41
Density @15°C, kg/m <sup>3</sup>	ASTM D4052	851

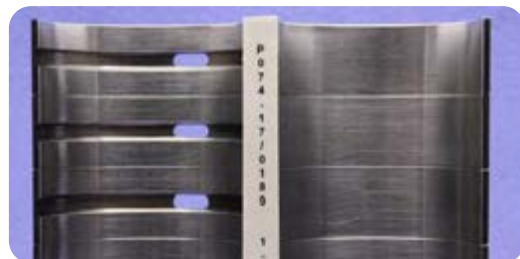
## G-Base Synthetic Technology performance benefits



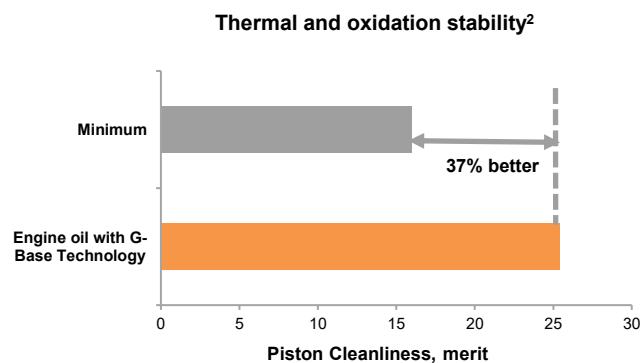
G-Base Synthetic Technology base oils provide improved viscosity, friction and volatility performance compared to traditional base oils. They help to ensure better engine cleanliness, prolong engine life, enhance fuel economy, decrease oil consumption and reduce maintenance costs.



1 – VW T4 Test



Superior resistance to oil degradation in high temperatures allowing long lasting protection for extended engine life



2 – OM646LA Test



Outstanding thermal and oxidation stability helps to prevent harmful sludge and deposits to keep engines clean

## Health, Safety & Environment

Information is provided for products in the relevant Safety Data Sheet (SDS). This provides guidance on potential hazards, precautions and first-aid measures, together with environmental effects and disposal of used products. SDS's are available upon request through your sales contract office. This product should not be used for purposes other than its intended use.

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