

# Technical Data Sheet

**FEIKEN PERFORM LUBE ECOSHIELD SEMI-SYNTHETIC ENGINE OIL SAE 5W-30** | *ENJOY YOUR RIDE WITH EXTENDED PROTECTION*

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## PRODUCT DESCRIPTION

**FEIKEN PERFORM LUBE ECOSHIELD Semi-Synthetic Engine Oil SAE 5W-30** is an advanced engine oil designed to meet the demanding requirements of both gasoline and diesel engines, regardless of whether they are equipped with turbochargers. Due to the high viscosity range, the oil is ideal for all-season use. This formulation combines high-performance synthetic oil with hydrotreated base oil, integrating state-of-the-art additive technology to provide optimum protection for modern engines. Its versatility, all-season capability, and advanced technology make it a reliable choice for those seeking optimal engine protection and performance for their gasoline and diesel-powered vehicles. **FEIKEN PERFORM LUBE ECOSHIELD Semi-Synthetic Engine Oil SAE 5W-30** protect severe service conditions and meet the performance requirements of virtually all naturally aspirated, turbocharged, and supercharged petrol passenger cars, passenger SUVs, and light commercial vehicles.

**FEIKEN PERFORM LUBE ECOSHIELD Semi-Synthetic Engine Oil SAE 5W-30** is fortified with innovative *THERMO GUARD TECHNOLOGY™*, which enhances the thermal management capabilities of this engine oil and acts as a dynamic temperature regulator. The technology ensures the engine operates within an optimal temperature range, preventing overheating, reducing wear on critical components, and improving overall efficiency. This synergistic blend of versatility, all-season adaptability, and advanced technology positions **FEIKEN PERFORM LUBE ECOSHIELD Semi-Synthetic Engine Oil SAE 5W-30** as the ideal choice for those seeking not only optimal engine protection but also enhanced thermal stability and performance for their gasoline and diesel-powered vehicles.



“*THERMO GUARD TECHNOLOGY™* operates as an advanced thermal management system designed to regulate and optimize temperature conditions within the engine. This technology relies on a sophisticated blend of additives and formulations that exhibit superior thermal stability. As the engine functions, generating heat through combustion and friction, *THERMO GUARD TECHNOLOGY™* efficiently absorbs, disperses, and dissipates this heat.”

The proprietary components within *THERMO GUARD TECHNOLOGY™* act as thermal insulators, mitigating temperature spikes and ensuring that the engine operates within an optimal thermal range. By maintaining these controlled temperature conditions, the technology minimizes wear on critical engine components, reduces friction, and enhances overall lubrication effectiveness. This not only contributes to heightened engine performance but also extends the longevity of engine components, promoting durability and reliability.”

## MEETS OR EXCEED INDUSTRY STANDARDS OF

The product meets the performance and environmental standards set by major Japanese, European, and American automotive manufacturers. It adheres to the standards of ACEA, API, as well as meeting the specifications of renowned brands like Mercedes-Benz, BMW, GM, Renault, Volvo, Toyota, Lexus, Honda, Nissan, Mazda, Daihatsu, and etc.

- ACEA A3/B3, A3/B4
- API SN/CF, SN PLUS
- BMW Longlife-01
- MB-Approval 229.1/229.3
- Porsche A40
- Renault RN0700/RN0710
- Volkswagen 502.00/505.00
- Viscosity SAE 5W-30

## SPECIAL PROPERTIES

- Meets OEM standards for quality.
- Utilizes a blend of synthetic and mineral base stocks for superior performance.
- Provides extended engine life with high-level wear protection, even in daily traffic.
- Ensures rapid oil delivery at low temperatures and optimal oil pressure across all engine speeds.
- Enhances protection against sludge, promoting overall engine cleanliness.
- Reduces fuel consumption and wear during start-up.
- Extra cleaning performance to help prevent the formation of sludge and harmful deposits.
- Keeps your engine running like new.
- Offers outstanding thermal and oxidation stability to reduce oil ageing, allowing extended drain intervals.
- Provides excellent lubrication and wear protection for all driving styles and conditions.
- High oxidation stability and strong resistance to high- and low-temperature sludge formation.
- Turbo-friendly additives ensure durability.

## APPLICATIONS

FEIKEN PERFORM LUBE ECOSHIELD Semi-Synthetic Engine Oil SAE 5W-30 are suitable for use in passenger cars, 4WDs, and light duty commercial vehicles fitted with gasoline engines.

## TYPICAL SPECIFICATION

Typical property characteristics are based on current production.

PROPERTY	UNIT	METHOD	SPECIFICATION
SAE Viscosity Grade	-	-	5W-30
Appearance	-	Visual	Bright & Clear
Colour	-	ASTM D1500	3
Density@15 °C	kg/l	ASTM D4052	0.854
Viscosity at 40°C	cSt	ASTM D445	67.10
Viscosity at 100°C	cSt	ASTM D445	11.40
Viscosity Index	-	ASTM D2270	165
Flash Point COC	°C	ASTM D92	Min 215
Total Base Number	mgKOH/g	ASTM D2896	8.08
Pour Point	°C	ASTM D97	-45
Cold Crank Vis@-30°C	cP	ASTM D5293	6470

**Note:** FEIKEN PERFORM LUBE ECOSHIELD Semi-Synthetic Engine Oil SAE 5W-30 may be unsuitable for use in some engines, always consult owners' manual if in doubt.

### Health & Safety

This product should not cause any health problems when used in the applications suggested and when the guidance provided in the Safety Data Sheet (SDS) is followed. We advise the reader to carefully evaluate the product choice for critical applications with the supplier.