

Product	Sinopec JUSTAR J700F Plus Engine Oil
Summary	Product description Sinopec JUSTAR J700F Plus Engine Oil is a super-premium product formulated with fully synthetic base oils and an advanced high-quality multifunctional additive package to provide effective protection to both turbocharged and naturally aspirated engines. Specially designed to meet the requirements of GM Dexos2, ACEA C3 and API CF for light duty diesel engines; also suitable for gasoline engines that require an API SN quality oil.

Applications

Sinopec JUSTAR J700F Plus Engine Oil is suitable for use in:

- Both turbocharged and naturally aspirated light duty diesel engines.
- Light duty diesel engines fitted with modern exhaust gas after treatment systems, e.g. diesel particulate filters (DPF), diesel oxidation catalysts (DOC) or selective catalytic reduction (SCR).
- Gasoline engines fitted with three-way catalytic convertors (TWC).
- High performance cars and light vans with diesel or gasoline engines designed to meet Euro IV (ADR 80/02) or Euro V (ADR 80/03) emissions regulations.

Features and benefits

- Combination of synthetic base oils and antioxidant additive package extends oil life even under high temperature operating conditions.
- Excellent detergent and dispersant properties reduce the formation of sludge, keep the engine clean and reduce component wear.
- Special formulation protects diesel engines from harmful soot deposits, extending engine life.
- Excellent antiwear properties prevent energy loss through frictional wear and extend engine life.
- Low SAPs formulation protects expensive emission reduction systems and prolongs catalyst life.
- Ultra-low evaporation loss reduces oil consumption, extends oil change intervals and reduces exhaust emissions.
- Robust oil, resists degradation between oil changes and maintains optimum performance for longer.
- Outstanding shear stability ensures that the oil does not break down in severe service conditions, and so ensures optimum protection of engine components.
- Compatible with seal materials normally used in engines, to extend their life and prevent oil leakage under high engine pressure.
- Specifically designed to meet the performance requirements of GM Dexos2 for diesel engines.

Typical data

Sinopec JUSTAR J700F Plus Engine Oil		
SAE grade	5W-30	5W-40
Kinematic viscosity, ASTM D 445		
cSt @ 40°C	70.9	80.6
cSt @ 100°C	11.9	13.6
Dynamic viscosity, CCS, ASTM D 5293 cP @ -30°C	6,350	5,010
High-temperature, high-shear viscosity (HTHS), ASTM D 4683 cP @ 150°C	3.5	3.5
Viscosity index, ASTM D 2270	165	173
NOACK volatility, ASTM D 5800	8.4	8.8
Sulfated ash, wt%, ASTM D 874	0.8	0.8
Total base number, mg KOH/g, ASTM D 2896	8.0	7.7
Pour point, °C, ASTM D 97	-36	-39
Flash point (COC), °C, ASTM D 92	244	233
Density @ 15°C, kg/l, ASTM D 4052	0.850	0.851

These data are given as an indication of typical values, not as exact specifications.

Industry and OEM specifications

Sinopec JUSTAR J700F Plus Engine Oil meets the performance requirements of the following industry specifications:	
API Service Classification	Diesel: CF and earlier HDDEO specifications Petrol/Gasoline: SN, SM, SL and earlier specifications
ACEA	C3,A3/B3/B4
ASTM	D4485-2010
GB ¹	11122-2006 (CF) 11121-2006 (SL)

¹ Note: 'GB' standards are the National Standards of the People's Republic of China.

Sinopec JUSTAR J700F Plus Engine Oil meets the performance requirements of the following OEM specifications	
BMW	Longlife 04
GM	Dexos2 (5W-30, 5W-40)
MB	229.31/229.51
Volkswagen	502 00/505 00
Sinopec JUSTAR J700F Plus Engine Oil holds the following formal OEM approvals:	
GM	Dexos2 (5W-30, 5W-40)

Accuracy of information

Data provided in this PDS is typical and subject to change as a result of continuing product research and development. The information given was correct at the time of printing. The typical values given are subject to variations in the testing procedures and the manufacturing process may also result in slight variations. Sinopec guarantees that its lubricants meet any industry and OEM specifications referred to on this data sheet.

Sinopec cannot be held responsible for any deterioration in the product due to incorrect storage or handling. Information on best practice is available from your local distributor.

Product and environmental safety

This product should not cause any health problems when used in the applications suggested and when the guidance provided in the Material Safety Data Sheet (MSDS) is followed. Please consult the MSDS for more detailed advice on handling; MSDSs are available from your local distributor. Do not use the product in applications other than those suggested.

As with all products, please take care to avoid environmental contamination when disposing of this product. Used oil should be sent for reclamation/recycling or, if not possible, must be disposed of according to relevant government/authority regulations.

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