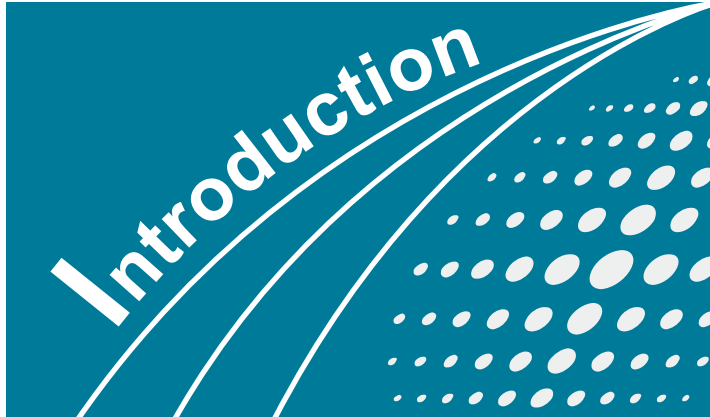


SINOPEC

MOTORCYCLE OIL

Performance in motion





Introducing Sinopec

The Sinopec Group is the world's second largest oil refiner. Its products have been keeping the wheels of the Chinese economic miracle turning for years. From oil and gas exploration equipment to lubricants for the aerospace industry, there can be no doubting Sinopec's technical expertise and credentials. The Group is a major investor in energy projects around the world. The Sinopec Lubricant Company, the world's fourth largest manufacturer, is reaching new industry and consumer markets with its premium lubrication products.

Sinopec – a world player in lubrication

To spearhead the company's export drive, a huge 'state of the art' blending facility in Singapore was announced in 2007. Sinopec uses the highest quality base stocks, or fully synthetic fluids where appropriate, to create the best lubricants. The complete range of oils and greases meet the needs of every major industry sector.

Sinopec – technical excellence in lubrication

Sinopec is a leading international petrochemical group that recognizes it is operating in a sophisticated market, and has the R&D facilities to match. The lubrication products are not just fit for purpose but engineered to ensure your equipment is getting the very best protection. As you would expect from a global leader in lubrication, Sinopec will meet the most demanding needs of your transportation operation. And, of course, Sinopec's lubrication products meet or exceed the relevant industry API and ACEA standards, and the specifications of the leading OEMs.

The Sinopec Motorcycle oil range

Every aspect of your lubrication needs are covered by the Sinopec Motorcycle oil range of products. From engine oil and gear oil to shock absorber oil, and grease, Sinopec has everything you'll need to keep the wheels of your motorcycle running smoothly, from general purpose oils through to technologically superior products for the harshest operating conditions.

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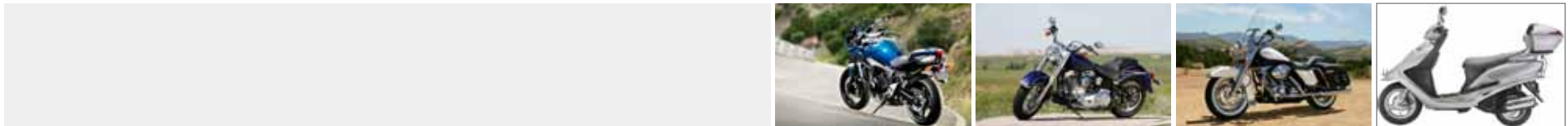
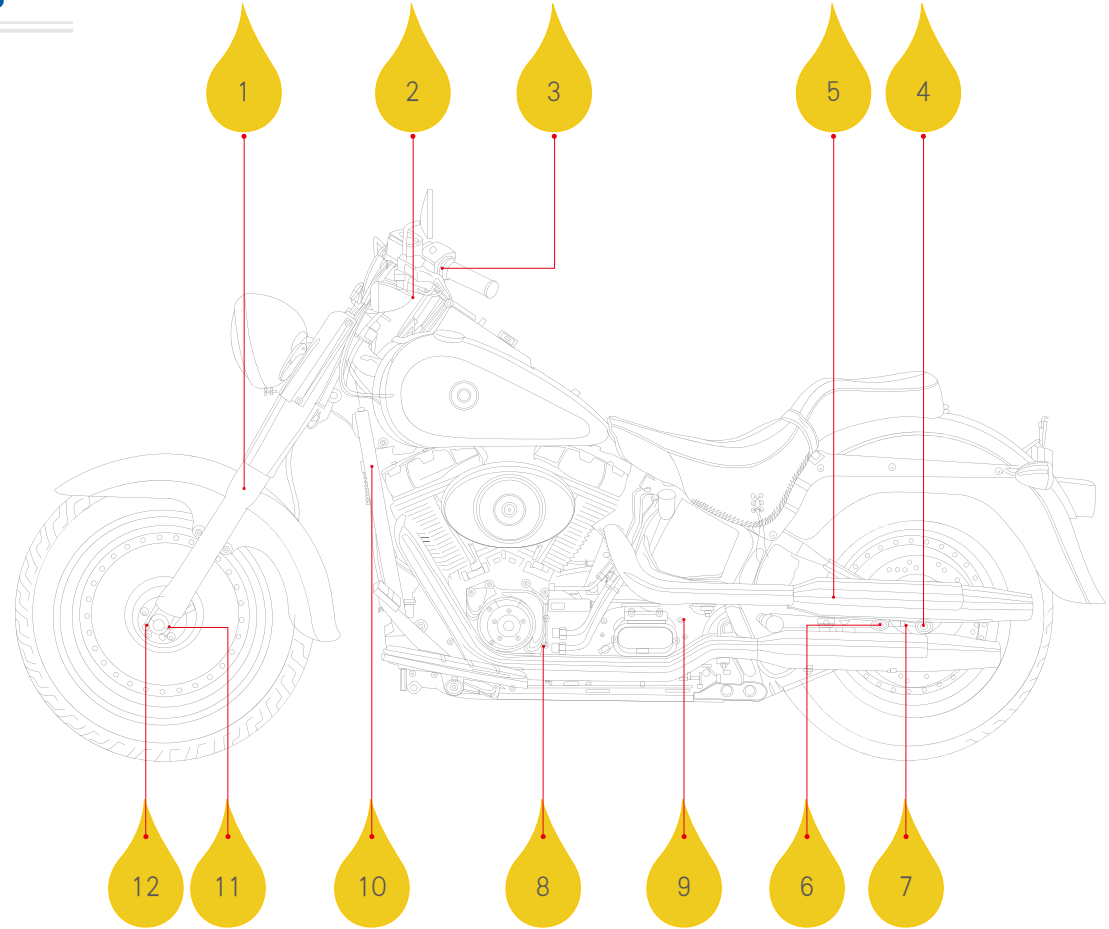
MOTORCYCLE OIL



Four Stroke Motorcycle Lubricating Points

Motorcycle Lubricating Points

NO.	Lubricating Points	Lubrication Products
1	Front Shock Absorber	Front Shock Absorber Oil
2	Cone Seat	Multipurpose Lithium Grease NLGI 2
3	Solar Term Door Handle	Multipurpose Lithium Grease NLGI 2
4	Antifriction Bearing	Multipurpose Lithium Grease NLGI 2
5	Rear Shock Absorber	Rear Shock Absorber Oil
6	Brake Camshaft	Multipurpose Lithium Grease NLGI 2
7	Gearing Chain	Motorcycle Gear Oil
8	Brake Pedal Pivot	Multipurpose Lithium Grease NLGI 2
9	Center of Principal Axis	Multipurpose Lithium Grease NLGI 2
10	Engine	Four Stroke Motorcycle Oil
11	Speed Meter Gear	Multipurpose Lithium Grease NLGI 2
12	Ball Bearing	





2T Fully Synthetic Racing Motorcycle Oil

Applications

- Suitable for harsh conditions, such as kiting, competition motorcycle and training for light aircraft
- Suitable for felling saw, grass cutter, tea plucker and motor sleigh
- Recommended fuel/oil ration at 25:1 or 50:1

Product equivalents

- Shell Advance Ultra 2T
- ESSO 2T GOLD 2T
- Mobil Number One 2T

Product Equivalents	SINOPEC	Shell	ESSO	Mobil
Type	2T Fully Synthetic Racing Motorcycle Oil	Shell Advance Ultra 2T	ESSO 2T GOLD 2T	Mobil Number One 2T

Features and Benefits

- Meet with or exceed ISO L-EGD specification
- Finished 10,000 kilometer fleet test in Suzuki motor and worked well
- Ultra low exhaust level, controlling hydrocarbon and NO_x Nitrous oxides emission level. Could be used in felling saw and some other garden machine and meets the environment needs in Europe
- Excellent low temperature characteristic, and could used in cold and severe cold region, such as sledge



2T FC Air-cooling Motorcycle Oil



Applications

- Suitable for air-cooled two stroke gasoline engines especially used in harsh conditions, such as medium and high load air-cooled two stroke motor which engine displacement is higher than 50mL
- Suitable for felling saw, grass cutter, fog sprayer and motor sleigh
- Recommended fuel/oil ration at 25:1 or 50:1

Product Equivalents

- Shell Advance VSX2
- Mobil S-2T
- Castrol FC

Product equivalents	SINOPEC	Mobil	Castrol	Shell
Type	FC 2T Air-cooling Motorcycle Oil	Mobil S-2T	Castrol FC	Shell Advance VSX2

Features and benefits

- Meet with or exceed FC specification of JASO M345
- Finished 10,000 kilometer fleet test in Yamaha CY 80. And the test result showed the perfect working and the longer drain interval than FB
- Suitable for nail gun
- Recommended to two stroke motor with catalytic converter

MOTORCYCLE OIL



2T FB Air-cooling Motorcycle Oil

Applications

- Suitable for air-cooled two stroke gasoline engines, especially used in moderate conditions, such as low load air-cooled two stroke motor which engine displacement is lower than 50mL
- Suitable for felling saw, grass cutter, fog sprayer and motor sleigh
- Recommended fuel/oil ration at 25:1 or 50:1

Product equivalents

- Shell Advance SX2
- ESSO 2T(LP)
- ESSO 2T Motorcycle Oil (self-mix)

Features and Benefits

- Meet with and exceed FB specification of JASO M345
- Finished 3500 kilometer fleet test in Yamaha CY 80

Product equivalents	SINOPEC	Shell	ESSO	ESSO
Type	FB 2T Air-cooling Motorcycle Oil	Shell Advance SX2	ESSO 2T (LP)	ESSO 2T Motorcycle Oil (self-mix)



2T TC-W3 Water-cooling Engine Oil



Applications

- Suitable for water-cooled two outboard engines such as motor boat and assaulting boat
- Recommended fuel/oil ration at 25:1 or 50:1

Product Equivalents

- Mobil Outboard Plus

Product equivalents	SINOPEC	Mobil
Type	TC-W3 2T Water-cooling Engine Oil	Mobil Outboard Plus

Features and Benefits

- Meet with NMMA TC-W3 requirement
- Excellent corrosion resistance and rust protection
- For terrestrial organisms and ocean organisms no-toxic



4T SJ MA 10W-50, 4T SM MA2 10W-50 Fully Synthetic Motorcycle Oil

Applications

- Suitable for high performance air-cooled or water-cooled four stroke motorcycles. Especially for turbo-supercharged device motorcycle and Motorcycle racing
- Suitable for high speed, large displacement and high performance motorcycle

Product equivalents

- Shell Advance Ultra 4T
- Mobil Number One 4T

Product equivalents	SINOPEC	Shell	Mobil
Type	SJ MA 10W-50, SM MA2 10W-50 Fully Synthetic Motorcycle Oil	Shell Advance Ultra 4T	Mobil Number One 4T

Features and benefits

- SJ MA 10W-50 fully synthesis four stroke motorcycle oil is “QIANJIANG” motorcycle OEM’S oil
- SJ MA 10W-50 fully synthesis four stroke motorcycle oil is “YAXIANG POWER” LD450 cross country motorcycle oil



4T SL Motorcycle Oil

Applications

- Suitable for high performance air-cooled or water-cooled four stroke motorcycles
- Meets with of China III emission regulations motorcycle with catalytic converter
- Special for motorcycle engine displacement larger than 125CC

Product Equivalents

- Shell Advance AX5, AX7

Product equivalents	SINOPEC	Shell
Type	SL 4T Motorcycle Oil	Shell Advance AX5, AX7

Features and benefits

- Meets API SL requirement
- SL 15W-40 four stroke motorcycle oil is JASO T903 MA2
- SL 15W-40 four stroke motorcycle oil finish 15,000 kilometer fleet test

MOTORCYCLE OIL



4T SJ Motorcycle Oil

Applications

- Suitable for high performance air-cooled or water-cooled four stroke motorcycles
- Meets with of China III emission regulations motorcycle with catalytic converter
- Special for motorcycle engine displacement larger than 125CC

Product equivalents

- Mobil Number One Thunder 4T

Product equivalents	SINOPEC	Mobil
Type	SJ 4T Motorcycle Oil	Mobil Number One Thunder 4T

Features and benefits

- Meets ASTM D4485 SJ grade engine bench test
- Meets JASO T903 MA
- SJ MA10W-40 four stroke motorcycle oil finish “QINGQI KING of SUZUKI”200h harsh engine durability test and pass15,000 kilometer fleet test



4T SG Motorcycle Oil

Applications

- Suitable for high performance air-cooled or water-cooled four stroke motorcycles
- Meets with of China III emission regulations motorcycle with catalytic converter
- Special for motorcycle engine displacement larger than 125CC

Product Equivalents

- Mobile 4T Super, Castrol GP, Castrol Super Activity

Product equivalents	SINOPEC	Mobil	Castrol
Type	SG 4T Motorcycle Oil	Mobile 4T Super	Castrol GP, Castrol Super Activity

Features and benefits

- Meets ASTM D4485 SG grade engine bench test
- Meets JASO T903 MA
- SG MA 10W-40 four stroke motorcycle oil is “HAOJUE of DACHANGJIANG” motorcycle OEM’S oil
- SG MA 10W-40 four stroke motorcycle oil is “HAOJIN of TIANYI METAL” motorcycle OEM’S and comical oil
- SG MA 15W-40 four stroke motorcycle oil is “DAYANG of BEIFANGYICHU” motorcycle OEM’S and comical oil
- SG MA15W-40 four stroke motorcycle oil is“ DAYUN of GUANGZHOU” motorcycle OEM’S oil
- SG MA15W-40 four stroke motorcycle oil meet with “CHUNFENG” motorcycle requirement



4T SF Motorcycle Oil

Applications

- ◎ Suitable for low and medium grade air-cooled or water-cooled four stroke motorcycle
- ◎ Specification for standard four stroke motorcycle

Product equivalents

- ◎ Mobil Cyclone 4T, Mobil Universal 4T, Castrol Super Bencheng

Product equivalents	SINOPEC	Mobil	Castrol
Type	4T SF Motorcycle Oil	Mobil Cyclone 4T, Mobil Universal 4T	Castrol Super Bencheng

Features and benefits

- ◎ Meets API SF requirement
- ◎ Meets JASO T903 MA
- ◎ SF MA 15W-40 four stroke motorcycle oil finish for multiple OEM motorcycle engine 100h durability test with 125CC
- ◎ SF MA 10W-40 four stroke motorcycle oil finish for 200h durability test with 110CC
- ◎ SF MA15W-40 four stroke motorcycle oil pass 6,000 kilometer fleet test with 125CC



Motorcycle Front Shock Absorber Oil

Applications

- ◎ Suitable for motorcycle front shock absorber, special for heavy working condition hydraulic absorber
- ◎ Suitable for electric bicycle shock absorber

Product equivalents

- ◎ Castrol Shock Absorber Oil

Product equivalents	SINOPEC	Castrol
Type	Motorcycle Front Shock Absorber Oil	Castrol Shock Absorber Oil

Features and benefits

- ◎ Excellent shear performance, to ensure shock absorber damping effect of smoothly
- ◎ Good viscosity-temperature properties, maintains proper viscosity in the working temperature changes favorable damping effect
- ◎ Outstand antifoam properties, to ensure shock absorber smooth operation



MOTORCYCLE OIL



Motorcycle Rear Shock Absorber Oil



Applications

- ⦿ Suitable for motorcycle rear shock absorber, special for heavy working condition hydraulic absorber
- ⦿ Suitable for electric bicycle shock absorber

Product equivalents

- ⦿ Castrol Shock Absorber Oil

Product equivalents	SINOPEC	Castrol
Type	Motorcycle Rear Shock Absorber Oil	Castrol Shock Absorber Oil

Features and benefits

- ⦿ Good low temperature properties, to ensure shock absorber damping system smoothly
- ⦿ Good viscosity-temperature properties, maintains proper viscosity in the working temperature changes favorable damping effect
- ⦿ Good antioxidant properties, to extend the life of oil



Motorcycle Gear Oil

Applications

- ⦿ Suitable for motorcycle gear box lubricating, special for gear box independent pedal motorcycle

Product equivalents

- ⦿ Castrol Pedal Motorcycle Gear Oil

Product equivalents	SINOPEC	Castrol
Type	Motorcycle Gear Oil	Castrol Pedal Motorcycle Gear Oil

Features and benefits

- ⦿ Excellent anti-wear properties, to protect gear performance smoothly
- ⦿ Good oxidation stability, to extend the service life of the gear oil





Sinopec Multipurpose Lithium Grease

Applications

- ⦿ Multipurpose lubrication of sliding bearings and other friction points of mechanical equipment
- ⦿ Suitable for the lubrication of cone seat, solar term door handle, antifriction bearing, brake camshaft, brake pedal pivot, centre of principal axis, speed meter gear and ball bearings in Motorcycles

Product equivalents

- ⦿ Shell Alvania Grease R2

Product equivalents	SINOPEC	SHELL	TOTAL
Type	Multipurpose Lithium Grease NLGI 2	Alvania Grease R2	MULTIS 2

Features and benefits

- ⦿ Lithium soap thickener ensures good mechanical stability, so that the grease structure does not soften or break down in service.
- ⦿ Excellent water resistance means that the grease stays in place and is not washed or sprayed off in wet conditions, reducing the need for frequent re-application.

- ⦿ Good oxidation stability ensures longer grease life, providing optimum lubrication, extending equipment life and reducing maintenance requirements.
- ⦿ Protection against rust and corrosion ensures long component life, and extends maintenance intervals.
- ⦿ Adheres strongly to metal surfaces, sealing out dirt and abrasive materials, ensuring longer lubricating intervals.
- ⦿ Available in NLGI grades 1, 2 and 3 to meet the requirements of different applications.



