

OIL KNIGHT

TECHNICAL DATA SHEET

OIL KNIGHT 歐奈特

- Oil Knight 歐奈特 is one of JIACYUAN's brand.
- All of product is 100% Made in Taiwan.
- This series is designed to use four-stroke motorcycle, emphasis on 『 **strengthening the pleasure of acceleration, VI is more than 180,provide high and low temperature difference protection** 』
- 歐奈特 series of motorcycle oil is adopt Finland neste base oil + ester+ high-performance additives to provide high quality lubrication, outstanding engine cleaning ability, recommended to the modified gasoline engine locomotive,provide different property to protect engine parts and perfect lubrication in low and high temperature or pressure,especially for racing car and motorcycle use.

Oil Specification of Key Projects:

- **Sludge**
- **Piston deposits**
- **Lubrication**

Compliance with Standards:

- ▶ **JASO MB**
- ▶ **API SN/CF , SM/CF**

OIL KNIGHT 4T RACING INFINITE

FULL SYNTHETIC RACING OIL

OIL KNIGHT 歐奈特 SM/CF INFINITE

- Oil Knight INFINITE level, 5W30,5W50, 10W60, 10W40, 20W50,15W40 are in line with SN/SM norms, the whole series are used Finland Neste base oil, Lubrizol adding special factor additives, strong synergistic lubrication Oil, add PAO and esters, high viscosity index allows you to ride in the wind, the challenge of high-temperature lubricants, high pressure, high-speed limit.
- In order to maintain competitive oil excellent control, the original laboratory-level deployment testing, combined with the Pass the horsepower test with endurance.

Features/Superiority

- Optimized high and low temperature protection, suitable for use in competitive vehicles sprint.
- Engine parts reaction speed up, throttle become lightweight during low temperature.
- Adding ester type improver, racing grade oil film protection performance.

Specifications and Approvals

OIL KNIGHT Engine Oil meets or exceed to the following OEM and industrial lubricant specifications.

SAE Grade	INFINITE
API SM/CF	✓
JASO MB	✓

Typical Properties

SAE Grade	Method	INFINITE	
Color	-	Red	
Specific Gravity @15/4 °C	ASTM D4052	0.86	
Kinematic viscosity, cSt	40°C	ASTM D445	125.1
	100°C	ASTM D445	20.8
Viscosity Index	ASTM D2270	192	
Flash Point °C	ASTM D92	220	
Pour Point °C	ASTM D97	-46	
Total Base No. mg KOH/g	ASTM D2896	8.2	
Package	-	0.9L/200L	



Applications

OIL KNIGHT Engine Oil is recommended for use in high performance gasoline & small diesel engines. It is also suitable for use in non-turbo charged heavy-duty commercial vehicles, passenger car.

OIL KNIGHT 4T RACING 5W-50

FULL SYNTHETIC RACING OIL

OIL KNIGHT 歐奈特 SM/CF 5W-50

- Oil Knight INFINITE level, 5W30,5W50, 10W60, 10W40, 20W50,15W40 are in line with SN/SM norms, the whole series are used Finland Neste base oil, Lubrizol adding special factor additives, strong synergistic lubrication Oil, add PAO and esters, high viscosity index allows you to ride in the wind, the challenge of high-temperature lubricants, high pressure, high-speed limit.
- In order to maintain competitive oil excellent control, the original laboratory-level deployment testing, combined with the Pass the horsepower test with endurance.

Features/Superiority

- After high-speed racing, the oil film is not easy to thin, reduce vibration and noise.
- Possess powerful clean disperse technology, sludge quickly taken away, strengthen engine parts.
- Powerful high-temperature protective film, the effect of long-term operation continued unabated.

Specifications and Approvals

OIL KNIGHT Engine Oil meets or exceed to the following OEM and industrial lubricant specifications.

SAE Grade	5W-50
API SM/CF	✓
JASO MB	✓

Typical Properties

SAE Grade	Method	5W-50	
Specific Gravity @15/4 °C	ASTM D4052	0.858	
Kinematic viscosity, cSt	40°C	ASTM D445	108.68
	100°C	ASTM D445	18.24
Viscosity Index	ASTM D2270	187	
Flash Point °C	ASTM D92	222	
Pour Point °C	ASTM D97	-42.0	
Total Base No. mg KOH/g	ASTM D2896	6.8	
Package	-	0.9L/200L	



Applications

OIL KNIGHT Engine Oil is recommended for use in high performance gasoline & small diesel engines. It is also suitable for use in non-turbo charged heavy-duty commercial vehicles, passenger car.

OIL KNIGHT 4T RACING 10W-60

FULL SYNTHETIC RACING OIL

OIL KNIGHT 歐奈特 SM/CF 10W-60

- Oil Knight INFINITE level, 5W30,5W50, 10W60, 10W40, 20W50,15W40 are in line with SN/SM norms, the whole series are used Finland Neste base oil, Lubrizol adding special factor additives, strong synergistic lubrication Oil, add PAO and esters, high viscosity index allows you to ride in the wind, the challenge of high-temperature lubricants, high pressure, high-speed limit.
- In order to maintain competitive oil excellent control, the original laboratory-level deployment testing, combined with the Pass the horsepower test with endurance.

Features/Superiority

- Tough oil film with high-pressure operation of the injury, keep the engine running smoothly.
- Provides high-speed operation of the mechanical strengthening of the anti-wear performance.
- Special disperse fiction, effectively prevent rusting parts, uneven operation problem.

Specifications and Approvals

OIL KNIGHT Engine Oil meets or exceed to the following OEM and industrial lubricant specifications.

SAE Grade	10W-60
API SM/CF	✓
JASO MB	✓

Typical Properties

SAE Grade	Method	10W-60	
Specific Gravity @15/4 °C	ASTM D4052	0.87	
Kinematic viscosity, cSt	40°C	ASTM D445	108.16
	100°C	ASTM D445	17.9
Viscosity Index	ASTM D2270	184	
Flash Point °C	ASTM D92	220	
Pour Point °C	ASTM D97	-38.0	
Total Base No. mg KOH/g	ASTM D2896	6.5	
Package	-	0.9L/200L	



Applications

OIL KNIGHT Engine Oil is recommended for use in high performance gasoline & small diesel engines. It is also suitable for use in non-turbo charged heavy-duty commercial vehicles, passenger car.

OIL KNIGHT 4T RACING 5W-30

EFFICIENT SYNTHETIC LUBRICANT

OIL KNIGHT 歐奈特 SN/CF 5W-30

- Oil Knight INFINITE level, 5W30,5W50, 10W60, 10W40, 20W50,15W40 are in line with SN/SM norms, the whole series are used Finland Neste base oil, Lubrizol adding special factor additives, strong synergistic lubrication Oil, add PAO and esters, high viscosity index allows you to ride in the wind, the challenge of high-temperature lubricants, high pressure, high-speed limit.
- In order to maintain competitive oil excellent control, the original laboratory-level deployment testing, combined with the Pass the horsepower test with endurance.

Features/Superiority

- Good low-temperature start-ability, better lubrication protection performance across the entire temperature range.
- Good fuel economy realization, effectively improving horsepower and acceleration efficiency.
- Helps prevent scale and sludge buildup, effectively extending engine life.

Specifications and Approvals

OIL KNIGHT Engine Oil meets or exceed to the following OEM and industrial lubricant specifications.

SAE Grade	5W-30
API SN/CF	✓
JASO MB	✓

Typical Properties

SAE Grade	Method	5W-30	
Specific Gravity @15/4 °C	ASTM D4052	0.862	
Kinematic viscosity, cSt	40°C	ASTM D445	63.8
	100°C	ASTM D445	11
Viscosity Index	ASTM D2270	167	
Flash Point °C	ASTM D92	222	
Pour Point °C	ASTM D97	-40.0	
Total Base No. mg KOH/g	ASTM D2896	6.4	
Package	-	0.9L/200L	



Applications

OIL KNIGHT Engine Oil is recommended for use in high performance gasoline & small diesel engines. It is also suitable for use in non-turbo charged heavy-duty commercial vehicles, passenger car.

OIL KNIGHT 4T RACING 10W-40

EFFICIENT SYNTHETIC LUBRICANT

OIL KNIGHT 歐奈特 SM/CF 10W-40

- Oil Knight INFINITE level, 5W30,5W50, 10W60, 10W40, 20W50,15W40 are in line with SN/SM norms, the whole series are used Finland Neste base oil, Lubrizol adding special factor additives, strong synergistic lubrication Oil, add PAO and esters, high viscosity index allows you to ride in the wind, the challenge of high-temperature lubricants, high pressure, high-speed limit.
- In order to maintain competitive oil excellent control, the original laboratory-level deployment testing, combined with the Pass the horsepower test with endurance.

Features/Superiority

- Effectively reduces the degree of oxidation, high-efficiency sludge to produce inhibition.
- Excellent film protection, high temperature polymer coagulation effect is strong.
- Special repair particles, when engine strong pressure caused by damage can be reduce.

Specifications and Approvals

OIL KNIGHT Engine Oil meets or exceed to the following OEM and industrial lubricant specifications.

SAE Grade	10W-40
API SM/CF	✓
JASO MB	✓

Typical Properties

SAE Grade	Method	10W-40	
Specific Gravity @15/4 °C	ASTM D4052	0.870	
Kinematic viscosity, cSt	40°C	ASTM D445	89.94
	100°C	ASTM D445	14.33
Viscosity Index	ASTM D2270	165	
Flash Point °C	ASTM D92	236	
Pour Point °C	ASTM D97	-36.0	
Total Base No. mg KOH/g	ASTM D2896	6.2	
Package	-	1Q/200L	



Applications

OIL KNIGHT Engine Oil is recommended for use in high performance gasoline & small diesel engines. It is also suitable for use in non-turbo charged heavy-duty commercial vehicles, passenger car.

OIL KNIGHT 4T MOTOR 15W-40

EFFICIENT SYNTHETIC LUBRICANT

OIL KNIGHT 歐奈特 SM/CF 15W-40

- Oil Knight INFINITE level, 5W30,5W50, 10W60, 10W40, 20W50,15W40 are in line with SN/SM norms, the whole series are used Finland Neste base oil, Lubrizol adding special factor additives, strong synergistic lubrication Oil, add PAO and esters, high viscosity index allows you to ride in the wind, the challenge of high-temperature lubricants, high pressure, high-speed limit.
- In order to maintain competitive oil excellent control, the original laboratory-level deployment testing, combined with the development of Dyna Pro Dynamometer R & D cooperation.

Features/Superiority

- Providing excellent inhibition of low-temperature sludge, the formation of high-temperature carbon deposition capacity.
- Providing efficient cleaning capacity, effectively maintain the engine room clean.
- Special repair particles, when engine strong pressure caused by damage can be reduce.

Specifications and Approvals

OIL KNIGHT Engine Oil meets or exceed to the following OEM and industrial lubricant specifications.

SAE Grade	15W-40
API SM/CF	✓
JASO MB	✓

Typical Properties

SAE Grade	Method	15W-40
Specific Gravity @15/4 °C	ASTM D4052	0.864
Kinematic viscosity, cSt	40°C	ASTM D445 120
	100°C	ASTM D445 15.8
Viscosity Index	ASTM D2270	148
Flash Point °C	ASTM D92	236
Pour Point °C	ASTM D97	-32.0
Total Base No. mg KOH/g	ASTM D2896	5.8
Package	-	0.8L/200L



Applications

OIL KNIGHT Engine Oil is recommended for use in high performance gasoline & small diesel engines. It is also suitable for use in non-turbo charged heavy-duty commercial vehicles, passenger car.

OIL KNIGHT 4T MOTOR 20W-50

EFFICIENT SYNTHETIC LUBRICANT

OIL KNIGHT 歐奈特 SM/CF 20W-50

- Oil Knight INFINITE level, 5W30,5W50, 10W60, 10W40, 20W50,15W40 are in line with SN/SM norms, the whole series are used Finland Neste base oil, Lubrizol adding special factor additives, strong synergistic lubrication Oil, add PAO and esters, high viscosity index allows you to ride in the wind, the challenge of high-temperature lubricants, high pressure, high-speed limit.
- In order to maintain competitive oil excellent control, the original laboratory-level deployment testing, combined with the development of Dyna Pro Dynamometer R & D cooperation

Features/Superiority

- Provides long-term protection of the oil film, tough film protection, effective in the engine running to provide high thickness of the lubrication performance, even long-term operation can also show excellent protection performance.
- Powerful wear factor can be effective to prevent carbon deposition and reduce noise.

Specifications and Approvals

OIL KNIGHT Engine Oil meets or exceed to the following OEM and industrial lubricant specifications.

SAE Grade	20W-50
API SM/CF	✓
JASO MB	✓

Typical Properties

SAE Grade	Method	20W-50	
Specific Gravity @15/4 °C	ASTM D4052	0.864	
Kinematic viscosity, cSt	40°C	ASTM D445	150.3
	100°C	ASTM D445	18.95
Viscosity Index	ASTM D2270	145	
Flash Point °C	ASTM D92	240	
Pour Point °C	ASTM D97	-38.0	
Total Base No. mg KOH/g	ASTM D2896	5.8	
Package	-	0.8L/200L	



Applications

OIL KNIGHT Engine Oil is recommended for use in high performance gasoline & small diesel engines. It is also suitable for use in non-turbo charged heavy-duty commercial vehicles, passenger car.