



ENEOS X PRIME

Highest Quality, Fully-Synthetic and Fuel Saving Motor Oil with WBASE

ENEOS X PRIME Series of motor oils brings the most advanced technology and highest quality specification standards together in the premium engine oils especially formulated for the latest generation of cars. This "Made in Japan" newest and highest quality range in ENEOS product line meets highest fuel saving standards. Those engine oils have been designed also for the ultimate driving experience through significantly reducing engine noise and vibration, resulting in an improved, comfortable "driving quality". ENEOS X PRIME is the highest standard of ENEOS branded lubricants guaranteeing the original performance of the car, fuel efficiency performance and acceleration performance. Those advanced, modern engine oils are 100% Fully-Synthetic with proprietary WBASE base oil. They offer latest API SP and ILSAC GF-6 certifications for customer satisfaction from fuel economy and are especially designed for all low viscosity, low carbon emission engines in petrol cars, Hybrid Electric Vehicles (HEV) and Plug-in Hybrid Electric Vehicles (PHEV) engines, turbocharged or naturally aspirated, direct or indirect injection. They are also engineered for Battery Electric Vehicles (BEV) with Range Extender thermal gasoline engine. X PRIME Series oils are ideal for start-stop engines. They provide improved energy saving, oxidation resistance, anti-deposits protection, engine cleanliness, anti-wear protection and enhanced performance at cold temperature. They are designed to provide protection against LSPI phenomenon (engine 'knocking' as a result of abnormal combustion event that can result in harmful damage or engine failure) for downsized direct injection turbocharged gasoline engines. **ENEOS X PRIME SERIES – "THE GOLD BLOOD" represent company's highest achievement in developing new technology and high performance products of the Future that can guarantee the ultimate driving comfort.**

SPECIAL FEATURES

1. Original Fully-Synthetic Technology

ENEOS X PRIME engine oils have been engineered with the ENEOS proprietary technology of WBASE base oil. The WBASE offers world's highest quality level with top of the range viscosity index, greater than the conventional fully-synthetic base oils. This means that the viscosity change of those oils associated with the engine temperature change is substantially smaller. Therefore the oil can offer low viscosity and low flow resistance in the engine already at low temperatures and during cold start. In addition, since pressure-viscosity coefficient is lower than conventional base oils, it can greatly reduce the viscous resistance especially at high pressure points. ENEOS X PRIME exhibits exceptionally high acceleration performance improved by up to **5%** compared to conventional products.

ENEOS X PRIME demonstrates also a significant friction reduction in a wide temperature range from low to high due to the unique compounding technology of additives. By reducing the noise and

vibration inside the engine, the ride comfort has been greatly improved compared to conventional oils.

Driving condition of the car	Reduction %	
	Noise	Vibration
Idling (waiting for traffic signals)	24	24
2000 r/min (riding in town)	21	16
3000r/min (accelerating)	32	4

2. Superior Performance

ENEOS X PRIME Series engine oils are certified by API SP and ILSAC GF-6 standards which means they offers far more enhanced Fuel Economy performance but also extended drain intervals, pistons/rings cleanliness, seals compatibility and reduced content of Phosphorus for after-treatment systems compatibility. The ILSAC GF-6A/6B standard ensures most advanced engine protection. This low viscosity grade improves oil flow at start up, during cold start and delivers faster oil pressure build up, and faster engine revving through minimized friction. This oil



offers outstanding high temperature oxidation stability, strong and stable lubricating film preventing sudden vehicle breakdowns under severe pressures of modern driving conditions like stop-start driving, idling during city driving, driving with heavy loads or acceleration on highways that lead to engine heat build-up especially in down-sized engines, as well as cold start wear. It is one of key engine oil roles to regulate heat inside the engine and effectively transfer the excessive heat thus protecting the engine critical components. Design to withstand high temperature oil evaporation loss and thermal degradation this oil offers best engine protection from wear and tear.

APPLICABLE VEHICLES

The experience and know-how of ENEOS as OEM supplier has allowed the development of ENEOS X PRIME Series as a range of advanced technology lubricants meeting the needs of latest generation engines – offering true OEM performance.

Designed for latest gasoline engine passenger cars, Hybrid and Petrol-Electric Hybrid as well as Battery Electric Vehicles (BEV) with Range Extender gasoline engine. Please follow the owner’s manual. Please always use correct oil to guarantee best driving performance

TYPICAL PROPERTIES OF ENEOS PREMIUM MOTOR OIL X PRIME

SAE grade	0W-16	0W-20	0W-50	5W-30
API Performance Grade	SP/RC	SP/RC	SP	SP/RC
ILSAC	GF-6B	GF-6A		GF-6A
ACEA	-	-	-	-
Color(ASTM)	L3.0	L3.0	L3.0	L3.0
Density, g/cm ³	0.841	0.844	0.845	0.847
Kinematic viscosity (40 °C), mm ² /s	26.1	28.3	88.7	39.2
(100 °C), mm ² /s	6.4	7.6	19.5	9.4
Viscosity index	215	258	244	235
Flash point (COC), °C	228	232	226	242
Pour point, °C	-52.5	-52.5	-50	-42.5
Acid number, mgKOH/g	2.2	2.4	2.4	2.0
Base number (ASTM D664), mgKOH/g	4.9	5.6	4.9	4.5

Note: the typical properties are subject to change without notice. (January 2022)

THE RECOMMENDATIONS OR SUGGESTIONS MADE IN THIS SHEET ARE MADE WITHOUT GUARANTEE OR REPRESENTATION AS TO RESULTS. THE CONTENT OF THIS SHEET IS CORRECT TO THE BEST OF OUR KNOWLEDGE. WE ADVISE THE READER TO CAREFULLY EVALUATE THE PRODUCT CHOICE FOR CRITICAL APPLICATIONS TOGETHER WITH THE SUPPLIER. WE DO NOT ACCEPT RESPONSIBILITY FOR DAMAGE AS A CONSEQUENCE OF INCOMPLETENESS OR NEGLIGENCE AND INACCURACIES IN THIS INFORMATION SHEET. ALL TERMS OF SALE OF THE SUPPLIER CAN BE APPLIED HERE.



Handling Precautions

▼ Follow these precautions when handling this product.

X PRIME OW-16, OW-20, 5W-30

Composition :	Base Oil(s), Additives
Precautionary pictograms:	Not applicable
Signal word:	Not applicable
Hazard Statement:	Not applicable
Precautionary Statements:	<ul style="list-style-type: none"> ▪ Do not handle until all safety precautions have been read and understood. ▪ Wear protective gloves/protective clothing/eye protection/face protection. ▪ Do not allow the eyes to become exposed to the product. Do not swallow the product. ▪ Wash hands thoroughly after handling. ▪ Do not eat, drink or smoke when using this product.
Prevention	
Response	<ul style="list-style-type: none"> ▪ IF SWALLOWED: Immediately call a POISON CENTER/doctor. ▪ IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. ▪ If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician. ▪ IF ON SKIN: Wash with plenty of soap and water.
Storage	<ul style="list-style-type: none"> ▪ The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight. ▪ Containers that have been opened must be tightly sealed.
Disposal	<ul style="list-style-type: none"> ▪ Dispose of contents/container in accordance with local/regional/national/international regulations. ▪ If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.

X PRIME OW-50

Composition :	Base Oil(s), Additives
Precautionary pictograms:	Not applicable
Signal word:	Not applicable
Hazard Statement:	Harmful to aquatic life with long lasting effects
Precautionary Statements:	<ul style="list-style-type: none"> ▪ Do not handle until all safety precautions have been read and understood. ▪ Wear protective gloves/protective clothing/eye protection/face protection. ▪ Do not allow the eyes to become exposed to the product. Do not swallow the product. ▪ Avoid release to the environment. ▪ Wash hands thoroughly after handling. ▪ Do not eat, drink or smoke when using this product.
Prevention	
Response	<ul style="list-style-type: none"> ▪ IF SWALLOWED: Immediately call a POISON CENTER/doctor. ▪ IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. ▪ If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician. ▪ IF ON SKIN: Wash with plenty of soap and water.
Storage	<ul style="list-style-type: none"> ▪ The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight. ▪ Containers that have been opened must be tightly sealed.
Disposal	<ul style="list-style-type: none"> ▪ Dispose of contents/container in accordance with local/regional/national/international regulations. ▪ If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.