

## The Energy World Window

Automobile care & maintenance is a best tool toward energy and expenditure saving; therefore, one should not ignore. Good maintenance will lead to the best engine performance, lengthen engine life, and result in a very minimal malfunction. The right selection of lubrication products is also important. The frequently asked question is

“How to select lubrication products that best matches our car?”

1. One has to know whether the car is gasoline or diesel engine.

Gasoline Engine (consume either gasoline or gasohol) : it is recommended to choose the lubricant for gasoline engine. For PTT lubrication products, the lubricants for gasoline engine are named “Performa” or PTT Performa Brand.

Diesel Engine (consume either diesel or bio diesel) : it is recommended to choose the lubricant for diesel engine which can be categorized into 2 types which are 1. lubricants for MPV and SUV (saloons) engines and 2. lubricants for pickup truck and heavy duty engines such as truck, bus, and heavy duty engine for construction works. PTT lubricants for diesel engine are named “Dynamic” or PTT Dynamic Brand.

2. One has to look for the information printed on the label which includes

- the type of lubricants (whether it is the lubricant for gasoline or diesel engines)
- the quality standards of the lubricants, for example, lubricants for gasoline engine would indicate the standards as API SL, API SM (American Standard) or ACEA A3 (European Standard) and lubricants for sedan-diesel engine would indicate the standards as API CF-4, CH-4, CI-4 OR ACEA B3 / B4 while lubricants for heavy-duty diesel engine would indicate the standards as API CF, CF-4, CH-4, CI-4 OR ACEA E3/E5/E7.

- viscosity standards of lubricant for gasoline and diesel engines are as follow

| Viscosity of gasoline engine lubricants | Viscosity of diesel engine lubricants |                             |
|-----------------------------------------|---------------------------------------|-----------------------------|
|                                         | Sedan / Saloons                       | Pickup Truck                |
| SAE 20W-50 (Ordinary)                   | SAE 15W-40 (Ordinary)                 | SAE 30/40/50 (Ordinary)     |
| SAE 10W-40 (Semi-synthetic)             | SAE 10W-30 / 10W-40 (Semi-synthetic)  | SAE 20W-50 (Semi-synthetic) |
| SAE OW-40/5W-40 (Synthetic)             | SAE 5W-40 (Synthetic)                 | SAE 15W-40 (Synthetic)      |

\*\*Each company has different grading standard as semi-synthetic or synthetic.

.....learn about the final tip for the right lubrication product selection on our next issue.....

Meet “The Energy World Window” Column every Monday. Send us your suggestion for price winning to : “The Energy World Window” Column, Public Relations Division – Oil Business Group, 8<sup>th</sup> Fl. Head Office Building, PTT Public Company Limited, 555 Vibhavadi Rangsit Road, Chatuchak, Bangkok 10900 or e-mail to [patcharapajee.h@pttplc.com](mailto:patcharapajee.h@pttplc.com) Tel. 0-2537-2538 Fax. 0-2537-2517, 2572

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