

## Piston Power SHP (CI)

### *Advanced High Performance Diesel Engine Oil*

Piston Power SHP (CI) 15W-40 is an advanced high performance diesel engine oil which meets the severe lubrication requirements of European , US and Japanese heavy duty, high speed turbo-charged diesel engines e.g significantly extended oil drain intervals according to the manufacturer's recommendation.

#### Applications

- Current and recent model high-speed, four stroke diesel engines ( turbocharged or naturally aspirated ) in the road transport, off road vehicles, construction industries and agricultural plant, burning high or low sulphur diesel.
- It is effective in engines designed to meet the latest European and American exhaust emission standards.
- By meeting the API SL specification it is also suitable for use in naturally aspirated and turo-charged gasoline four stroke engines.

#### Performance Features

- Exceeds all major American, European and Japanese OEM and industry specifications
- Excellent performance with extended oil drain intervals on low immission engines.
- Combination of detergent and dispersant additives maintains power output by providing excellent control over ring and ring groove deposits which can effect engine operation. Multigrade viscosity allows for maximum lubricity in all areas of the engine.
- High oxidation stability, effective control over high temperature piston deposits, wear, corrosion, foaming and soot accumulation.
- Superior deaeration and anti foam characteristics for accurate operation of hydraulically actuated fuel injection system.

#### Performance Specifications

PP SHP (CI) 15W-40 oil is recommended for use where the following specifications apply:

- |                                 |                                 |
|---------------------------------|---------------------------------|
| • API CI-4/SL *                 | • Renault Trucks RLD/RLD-2      |
| • ACEA E7(E5)/A3/B3/B4          | • MTU/DDC Type 2                |
| • GLOBAL DHD-1                  | • Cummins CES 20071/72/76/77/78 |
| • JASO DH-1                     | • MACK EO-M Plus                |
| • MB 228.3 (approved)/ MB 229.1 | • Caterpillar ECF-1             |
| • Volvo VDS-3                   | • Allison C-4                   |
| • MAN M 3275                    | • Deutz DQC-III-05              |

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#### Typical Characteristics

SAE Viscosity Grade		15W-40
Kinematic Viscosity @ 40°C	cSt	100
Kinematic Viscosity @ 100°C	cSt	14.5
Viscosity Index		150
Pour Point	°C	-27
Flash Point (PMCC)	°C	207
TBN	mgKOH/gm	11.4
Sulphated Ash	% mass	1.5
Density @ 20°C	kg/l	0.885