



## Heavy Duty Diesel Engine Oil

**mtu** POWER GUARD DEO SAE 40 Diesel Engine Oil is a monograde high-performance lubricant for turbocharged and naturally aspirated diesel and gasoline engines and it has been specially developed for arduous off highway applications. It is recommended for (but not limited to) applications where **mtu** category 2 approval is required. **mtu** POWER GUARD DEO SAE 40 Diesel Engine Oil protects against wear, deposits and corrosion under a full range of demanding operating conditions.

## Performance, Features and Benefits

- **Hard-working protection**

Constantly protects against wear, deposits and corrosion with minimal oil consumption.

No sacrifice in performance due to the prevention of carbon deposits forming in the combustion chamber.

Provides for proper function of hydraulic valve lifters (hydraulic valve compensation) even during extended oil drain intervals.

- **Longer oil life**

The dedicated formulation of **mtu** POWER GUARD DEO SAE 40 provides excellent protection against sludge build-up which allows for oil drain intervals to be extended when using a regular oil sampling and analysis program.

## Main Applications

- **Off-highway and on-highway applications**

Naturally aspirated and turbo charged engines operating in off and on-highway applications including, but not limited to, Power Generation, Mining, Rail, Marine, Quarrying, Oil & Gas, Construction, Transport and Agriculture

Can be used where extended oil drain intervals are required and performs especially well in stationary engines in Stop and Go or full throttle applications.

## Approvals

- **MTU: Category 2**

## POWER GUARD DEO SAE 40 Diesel Engine Oil

### Typical Physical Characteristics

Properties	Method	mtu DEO SAE 40
SAE Grade	SAE J300	40
Density @ 15 °C	DIN 51757	0.897 g/ml
Kinematic Viscosity @ 40 °C	DIN 51562-1	130 mm <sup>2</sup> /s
Kinematic Viscosity @ 100 °C	DIN 51562-1	14.6 mm <sup>2</sup> /s
Viscosity Index	DIN ISO 2909	101
HTHS	CEC-L-36-A-90	≥3.5 mPa*s
Total Base Number	ASTM D2896/IP 276	9.4 mg KOH/g
Pour Point	DIN ISO 3016	-15°C
Sulphated Ash	ASTM D874	≤ 2.0 % m/m
Product dyeing	DIN 10964	none

*These characteristics are typical of current production.*

### Additional Information

Further information on applications not covered in this leaflet may be obtained from your local Penske Aftersales Representative. Further information regarding the use of this product in **mtu** applications can be found in the relevant **mtu** Fluids and Lubricants Specifications document.

### Health and Safety

**mtu** POWER GUARD DEO SAE 40 Diesel engine Oil is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on health and safety is available on the appropriate Safety Data Sheet which can be obtained from [penske.com.au](http://penske.com.au).

### Environmental Responsibility

Dispose of used oil responsibly through an ISO 14001 certified provider. Do not discharge into drains, soil or water.

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