



Product Data

CASTROL DETERGEN[®] SYSTEM CLEANER

Cleaning additive for oil systems

DESCRIPTION

DETERGEN[®] SYSTEM CLEANER is an additive to clean oil systems. It is added to the oil fill before the oil change.

The concentrate is free from solids, also soluble in semi-synthetic and in base oil. Sludge, deposits, lacquer formation and resin-like deposits are softened, dissolved in fine particles and kept in suspension. With the oil drain the particles are removed from the system.

APPLICATIONS

- Cleaning of oil circulation systems and oil reservoirs of engines, gears and hydraulic systems before oil change without the application of flushing oil or an intermediate oil change.
- Improvement of the cleaning properties of conventional flushing oils or low-viscosity oils used as system cleaners before the initial fill.

ADVANTAGES

- cleans oil systems before the oil change
- saves costs since flushing oil is not needed and manual cleaning is not required
- dissolves sludge residues and deposits into very fine particles
- keeps dissolved dirt particles in suspension
- cleans machine components from oil residues
- cleans systems before the initial fill or after assembly
- allows longer service life of the new oil due to clean oil reservoirs
- practically no effect on the viscosity of the oils in service

Detergen System Cleaner

15.04.2008 UL

Castrol Detergen System Cleaner and Castrol logo are trademarks of Castrol Limited, used under licence.

The technical data represent average values, which conform however to the specifications.

The figures are consistent with the results of comprehensive tests and practical experience. Considering the diversity of applications, we cannot accept responsibility in each individual case. Practical trials are recommended. The formulation remains subject to change - if required in agreement with the customer.

Further product information can be obtained from Deutsche BP Aktiengesellschaft Application Technology.

Deutsche BP AG – Industrial Lubricants & Services, Erkelenzer Str. 20, 41179 Mönchengladbach
Tel: +49 (0)2161 909-30 Fax: +49 (0)2161 909-481

www.castrol.com/industrial

Page 1 of 2

NOTES FOR USE

- Add to the oil fill about **48** hours before the scheduled oil change.
- Metering:
 - add about 5% DETERGEN® SYSTEM CLEANER to the lubricant in service
 - if the level of contamination is very high or in case of initial application, the volume can be increased by up to 10%
 - gradual application of DETERGEN® SYSTEM CLEANER:
 - add 10% of the total volume of DETERGEN® SYSTEM CLEANER about 24 to 48 hours before the
 - scheduled oil change
- 30% of the total volume of DETERGEN® SYSTEM CLEANER after about half the application period
- 60% of the total volume of DETERGEN® SYSTEM CLEANER after about 8 hours before the drain
- The filter fineness should be as high as possible (< 10 µm) so that dissolved particles cannot contaminate the circulating system. When adding DETERGEN® SYSTEM CLEANER the filter elements should be carefully monitored. Dissolved residues may affect the functioning of servo valves or material pairings with close tolerances.
- After the oil change the system should be filtered with 3 µm in bypass.
- CASTROL DETERGEN® SYSTEM CLEANER is compatible with conventional paints and sealing materials.
- Maximum efficiency at + 60°C, max. + 120°C.

Technical data

	Unit	Value	Test method
CASTROL DETERGEN® SYSTEM CLEANER	-	-	-
Color	-	brown	visual
Base	-	mineral oil	-
Density at + 15 °C	kg/m ³	1015	DIN 51757
Kin. viscosity at + 40 °C	mm ² / s	900	DIN 51562
Flash point	°C	180	DIN EN ISO 2592

1 mm²/s $\hat{=}$ 1cSt

Detergen System Cleaner

15.04.2008 UL

Castrol Detergen System Cleaner and Castrol logo are trademarks of Castrol Limited, used under licence.

The technical data represent average values, which conform however to the specifications.

The figures are consistent with the results of comprehensive tests and practical experience. Considering the diversity of applications, we cannot accept responsibility in each individual case. Practical trials are recommended. The formulation remains subject to change - if required in agreement with the customer.

Further product information can be obtained from Deutsche BP Aktiengesellschaft Application Technology.

Deutsche BP AG – Industrial Lubricants & Services, Erkelenzer Str. 20, 41179 Mönchengladbach
Tel: +49 (0)2161 909-30 Fax: +49 (0)2161 909-481

www.castrol.com/industrial

Page 2 of 2