



Product Data

Techniclean™ SC 170

Detergent heat transfer system cleaner

Description

Castrol Techniclean™ SC 170 (previously called BP Transclean 801) is a high performance detergent liquid, soluble in all mineral and synthetic hydrocarbon fluids.

Application

Techniclean SC 170 is designed for internal cleaning of systems using heat transfer fluids. It assists in loosening and removing carbonaceous deposits, products of oxidation, resins and gums from heaters, pipe work and process vessels, thereby reducing the need for mechanical cleaning.

Techniclean SC 170 removes the deposits that accumulate on heat-transfer surfaces after long or unusually severe service, and sends them into circulation: large particles are removed in filters, and small particles remain in suspension until removed during the oil change.

Techniclean SC 170 is compatible with all mineral oils and synthetic hydrocarbons, but should not be used with water-based products and phosphate esters.

Techniclean SC 170 can be used as a preventive action or for treatment before replacement with fresh oil.

Conditions of Use

Preventive treatment is recommended for systems operating in severe service conditions, typically leading to rapid fluid degradation.

In this case, 0.5% addition of Techniclean SC 170 in the oil will prevent deposit formation on internal surfaces of the system.

Before draining the system, required by an excessive heat transfer fluid degradation, it is recommended to incorporate 1 to 2% of Techniclean SC 170 and follow-up during a period from 8 to 15 days.

Advantages

- Supports to lower the energy consumption due to increased heat-transfer efficiency.
- Helps to reduce the cost of cleaning heat-transfer systems.
- Enables deposits to be cleaned from inaccessible heat-transfer efficiency surfaces.
- Economical through low treat rate.

Typical Characteristics

Description	Test Method	Unit	Value
Appearance	Visual	-	Dark brown fluid
Colour	ASTM D1500	-	L8.0
Density @ 15°C	ASTM D1298	g/ml	0.915
Kinematic Viscosity @ 40°C	ASTM D445 / ISO 3104	mm ² /s	173
Flash Point, COC	ASTM D92 / ISO 2582	°C	172
Pour Point	ASTM D97 / ISO 3016	°C	< -10

Subject to usual manufacturing tolerances.

User Advice

During the 'cleaning' period' the system is left to operate normally, but the filters must be monitored frequently in case they become blocked with loosened debris. After this period the oil is drained off and replaced by fresh oil.

Where there has been severe thermal abuse, the products of the oil's degradation can become coated on hot surfaces so hard that they cannot be removed chemically; they have to be dealt with by mechanical means.

Storage

To avoid product deterioration always keep the container/drum tightly sealed. Store the product in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. For optimum product stability, it is preferable to store the product indoors between 5°C and 45 °C / 41°F and 113°F.

For more details, please refer to the product safety data sheet

This product was previously called Transclean 801. The name was changed in 2015

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Castrol Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

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