

STRAIGHT CYLINDER OIL 680NC

Product Code: STO019 | **Revision:** 20250627



SCO680NC

Available Pack Sizes



Applications

A straight steam cylinder oil formulated from a select blend of high-quality solvent refined mineral base oils to provide a strong lubrication film at elevated temperatures to protect the cylinders and valves from premature wear. Unlike compounded lubricants, straight cylinder oils have an excellent demulsification ability to cleanly separate from water allowing the condensate to be recovered.

Recommended by Aztec Oils as suitable for the following applications

A non-compounded oil designed for moderate-to-high steam temperatures, pressures, saturated and light superheat steam conditions. For use with condensing steam locomotives operating on preserved lines, traction engines, steamboats and stationary engines where steam condensate is to be recovered. The oil feed rate will require adjustment if switching from a compounded steam cylinder oil.

Benefits

- Does not damage paintwork or cause staining on phosphor bronze, brass or copper fittings.
- Does not contain rapeseed oil.
- Excellent oxidation resistance.
- Excellent demulsibility for condensate recovery.
- Offers good corrosion resistance.
- Residue free.
- Steam temperature – up to 290°C (550°F)
- Boiler pressure – up to 250PSI

Typical Test Data

Appearance		Dark amber/brown
Density @ 15°C (kg/m ³)	ASTM D4052	0.920
Flash Point (°C)	ASTM D92	>200
Kinematic Viscosity @ 40°C (mm ² /s)	ASTM D445	680
Kinematic Viscosity @ 100°C (mm ² /s)	ASTM D445	37.8
Viscosity Index	ASTM D2207	92

The typical test data provided is taken from average values, there will be some variability in production and therefore do not constitute a specification.

Health, Safety & Recommendations

- A Safety Data Sheet is available for consultation at www.aztecoils.co.uk.
- Packaging should not be left exposed to elements and drums should be laid horizontally to prevent contamination.
- This product should not be stored at temperatures over 60°C, kept out of direct sunlight, protected from frost and fluctuations in temperature.
- When disposing of the product after use, please protect the environment and comply with local regulations.

In line with our policy of continued improvement, Aztec Oils reserve the right to change specifications and availability without prior notice. This product, used according to our recommendations and for its designed application, does not represent any particular risk. The information present in this technical data sheet is indicative of the product and is given in good faith, but should not form part of any specification.



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