

CYL



Lubrication



Steam engine cylinders.

APPLICATIONS

Steam engine cylinders

- **CYL** oils are pure mineral oils for lubricating steam engine cylinders where condensate is recycled:
 - saturated steam: grades 460 and 680.
 - superheated steam: grade 1000.
- They are also used for lubricating heavy machinery exposed to high temperatures.

SPECIFICATIONS

International specifications

- ISO 12925-1-CKB
- ISO 6743-12-Q
- DIN 51510-2A (VG 460, VG 680) - 2B (VG 1000).

ADVANTAGES

- High natural viscosity index.
- Good compatibility with seals.
- High ignition point.
- Benefits from advanced refining.
- Low carbone residue.

TYPICAL CHARACTERISTICS	METHODS	UNITS	CYL		
			460	680	1000
Density at 15 °C	ISO 3675	kg/m ³	905	921	931
Viscosity at 40 °C	ISO 3104	mm ² /s	460	680	1000
Visosity index	ISO 2909	-	95	94	96
Pour point	ISO 8016	°C	- 9	- 9	- 9
Open cup flash point	ISO 2592	°C	300	306	310

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS
Industrie & Spécialités
09-09-2013 (supersedes 07-06-2001)
CYL
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This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.
A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or down loaded from www.quick-fds.com.