

CYLINDER OIL S-460 & S-680 Steam Cylinder/Gear Oil

Typical Properties

GRADE	S-460	S-680
ISO Grade	460	680
Viscosity, cSt		
At 40 C	429	625
At 100 C	29.0	37.0
Viscosity Index	95	95
Flash Point, (COC)°F	500	510
Pour Point, °F	10	15
Gravity, API @ 60° F	27	22

The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not. All of them may vary within tolerable ranges.

Cylinder Oil S-460 and S-680 consists of high viscosity index base oils with foam resistance and rust protection properties; these products possess excellent lubricity and wetability characteristics. They are formulated for very wet steam and established heavy emulsions and therefore oil separation from the condensate is more difficult owing to the very stable emulsion formed.

APPLICATIONS

These lubricants are recommended for steam cylinder applications with steam cylinder parts that are under the influence of saturated steam of a maximum of 150 pounds of pressure. They function well when the quality of steam is considered substandard and full oil separation from the condensate is not critical. These oils atomize very readily and adhere to cylinder parts under the most severe steam conditions.