



Steam Cylinder C Oils

Compounded Steam Cylinder Lubricant

Steam Cylinder C Oils are premium performance high viscosity oils compounded with fat which acts as a wetting agent to improve emulsibility properties in the presence of steam or water. These enclosed systems operate at heavy loads and slow speeds at higher temperatures and need the protection provided in high viscosity products.

Product Features:

- Works well for all steam pressures and temperatures
- Stays on metal surfaces for better protection
- Excellent film integrity at high temperatures
- Can be used as a Worm Gear Lubricant

Customer Benefits:

- Excellent anti-wear and low friction properties
- Reduces deposit formation for cleaner systems
- Excellent water resistance

Applications:

- Recommended for steam cylinders that require a heavy viscosity fluid. Suitable for the lubrication of worm gears and other low speed reduction gears.



Typical Properties

Royal Steam Cylinder C Oils						
Product Number	625	625B	623	644	643	Test Method
ISO Grade	150	150	460	680	1000	-
Fat Content, % wt	5	2	5	5	5	-
Kinematic Viscosity @ 40°C, cSt	149	149	456	690	1016	ASTM D445
Kinematic Viscosity @ 100°C, cSt	14.7	14.5	283.7	36.5	43.7	ASTM D7042
Viscosity @ 100F, SUS	786	787	2458	3751	5588	-
Viscosity @ 210F, SUS	78	77	141	178	213	-
Viscosity Index	97	95	89	86	79	-
API Gravity	16.7	16.2	21.4	23.0	22.2	-
Specific Gravity	0.95	0.96	0.93	0.91	0.92	-
Flash Point, °C	>280	>280	>290	>290	>300	ASTM D92
Pour Point, °C	<-10	<-10	<-5	<-5	<0	ASTM D97
Lbs/Gal	8.0	7.98	7.7	7.6	7.67	-
Color	<3	<3	<3	<3	>8	ASTM D1500

These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information above is subject to change without notice.

Health and Safety:

This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product characteristics please refer to the Safety Data Sheet (SDS) found on our website. www.royalmfg.com or call (918)-584-2671.

Packaging Options:



55 Gal. Drums



275/300 Gal Totes



>2,000 Gal. Bulk