



# Heavy Duty Bearing/Circulating Lubricants

## Typical Specifications

Engine Armour Heavy Duty Bearing/Circulating Lubricants are formulated to protect high-speed, no-twist rod mills such as those manufactured by Morgan Construction Company USA. Engine Armour Heavy Duty Bearing/Circulating Lubricants are formulated to bring outstanding rust and corrosion control in gears, shafts, bearing screws, and internal housing sections. Balanced corrosion protection is very necessary to counteract water from condensation and roll neck seal leakage. These lubricants will also ensure that oil-return lines will be protected from corrosion. In addition, these lubricants resist the formation of oil-water emulsions and have good water separability.

Engine Armour Heavy Duty Bearing/Circulating Lubricants are formulated with anti-wear additives to protect gearing against scuffing and scoring. Film strength and other properties bring low friction or low break-away torque which is critical to good ball, roller and oil film bearing operations.

Applications: (Cincinnati Machine)

<b>ISO Grade</b>	<b>100</b>	<b>150</b>	<b>220</b>	<b>460</b>	<b>680</b>
<b>API Gravity</b>	<b>30.0</b>	<b>29.5</b>	<b>28.0</b>	<b>26.3</b>	<b>26.5</b>
<b>Viscosity cSt</b>					
<b>@ 40 C</b>	<b>100</b>	<b>150</b>	<b>220</b>	<b>460</b>	<b>680</b>
<b>@ 100 C</b>	<b>11.2</b>	<b>15.2</b>	<b>19.0</b>	<b>30.5</b>	<b>45.0</b>
<b>Vis Index</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
<b>Flash Point C</b>	<b>220</b>	<b>230</b>	<b>240</b>	<b>260</b>	<b>270</b>
<b>Pour Point C</b>	<b>-15</b>	<b>-15</b>	<b>-12</b>	<b>-12</b>	<b>-09</b>
<b>Rust ASTM D 665 A,B</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>
<b>Corrosion</b>					
<b>ASTM D 130</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>
<b>Demulsibility</b>					
<b>ASTM D 2711</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>
<b>Oxidation, S-200</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>
<b>Foam Inhibition</b>					
<b>ASTM D892</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

The data presented in this specification sheet are believed to be accurate; however, Engine Armour shall not be liable for its content and makes no warranty with respect thereto.