



## Description

Phoenix Ultra is a new range of cylinder lubricants designed to meet the demands and flexibility required for IMO 2020. Phoenix Ultra lubricants have been fully field tested with various fuels expected post-IMO 2020 and are approved by major OEMs. Phoenix Ultra 140 is a 140 Base Number (BN) cylinder oil formulated for high corrosion environments, designed for efficient two-stroke engines prone to cold corrosion. It provides the same alkalinity and corrosion protection as Phoenix Ultra 100 at lower feed rates, reducing operating costs. Phoenix Ultra 140 is blended with refined base oils and selected additives for excellent ring and liner wear protection and piston cleanliness in slow-speed crosshead diesel engines.

## Typical Characteristics

<b>SAE Viscosity Grade</b>	<b>50</b>
<b>Base number, mg KOH/g (ASTM D2896)</b>	<b>140</b>
<b>Density at 15°C, kg/l (ASTM D4052)</b>	<b>0.98</b>
<b>Flash point, COC, °C (ASTM D92)</b>	<b>180 min</b>
<b>Pour point, °C (ASTM D97)</b>	<b>-15</b>
<b>Kinematic Viscosity at 100°C, mm<sup>2</sup>/s (ASTM D445)</b>	<b>19.0</b>

## Recommended Applications

Phoenix Ultra 140 is recommended for lubricating the cylinders of the latest generation large low-speed marine diesel engines equipped with exhaust abatement technologies operating with heavy fuel oil, under all loads and very corrosive operating conditions. The base number of Phoenix Ultra 140 makes this product ideal for use in engine types and under operating conditions which are sensitive to cold corrosion in the cylinder. Phoenix Ultra 140 should be used in accordance with OEM guidelines and recommendations.

## Performance Benefits

### 1. Engine Protection

Effective acid neutralization ensures protection against excessive cylinder liner and piston ring wear resulting from the use of high sulphur heavy fuel oils, thus extending cylinder liner and piston ring life.

### 2. Engine Cleanliness

Prevents ring sticking and minimizes deposit formation on the pistons and throughout the combustion chamber exhaust areas.

### 3. Storage Stability

Stable at ambient temperatures & during long-term storage.

### 4. Compatibility

Miscible and compatible with diesel cylinder lubricants generally known to the international marine trade.

### 5. Operating cost

Ultra-high base number formulation provides the same level of alkalinity and corrosion protection at lower feed rates, reducing operating cost.

## Available Packaging

265G Tote: 1000 Lt.      55G Drum: 208 Lt.

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