



## **Cyltech 140**

Crosshead Engine Cylinder Lubricant

### **Description**

Castrol Cyltech 140 is a premium marine diesel engine cylinder lubricant specifically developed to provide protection against corrosive wear in modern fuel efficient engines. The 140 BN lubricant provides a higher level of engine protection against corrosive wear than cylinder oils with a lower BN (eg. 100 BN products). The high BN is achieved by a careful balance of detergents that also optimises cleanliness performance.

### **Application**

Cyltech 140 is suitable for the cylinder lubrication of the latest super long stroke crosshead engines burning medium to high sulphur residual fuels under all load conditions.

Cyltech 140 has 'no objection' status for the above applications from both MAN and WinGD.

Please consult the engine makers for any specific advice.

### **Advantages**

In the severe applications or operating conditions outlined above, Cyltech 140 provides the following advantages:

- Improved protection of cylinder liners in engines operating under corrosive conditions with lower feed rates compared to 100 BN oils
- Excellent control of piston ring and cylinder liner wear
- Provides a high level of piston and piston ring zone cleanliness
- Helps extend periods between unit overhauls
- Minimizing the volume of lubricant consumed reduces the frequency of lubricant deliveries needed

### **Product Performance Claims**

Cyltech 140 has 'no objection' status with MAN ES and WinGD for use under conditions as specified in their current service letters.

## Typical Characteristics

| Name                      | Method     | Units    | Cyltech 140    |
|---------------------------|------------|----------|----------------|
| Density @ 15C, Relative   | ASTM D1298 | g/ml     | 0.97           |
| Appearance                | Visual     | -        | Clear & Bright |
| Viscosity, Kinematic 100C | ASTM D445  | mm²/s    | 19.5           |
| Total Base Number, TBN    | ASTM D2896 | mg KOH/g | 140            |
| Viscosity Index           | ASTM D2270 | None     | 133            |
| Flash Point, PMCC         | ASTM D93   | °C       | 186            |

Subject to usual manufacturing tolerances

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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