

PRODUCT & TECHNICAL DATA

CYLTECH 80AW Crosshead Engine Cylinder Oil

DESCRIPTION

Castrol Cyltech 80AW improves on and supercedes Cyltech 80. Specifically developed for today's and future slow speed engines, it is eminently suitable for the cylinder lubrication of all types of crosshead engines operating on today's typical high sulphur residual fuel.

Castrol Cyltech 80AW builds on the successful formulation of its predecessor (well known for its higher BN of 80 and its patented anti-wear technology) and now offers further improved protection against wear and scuffing.

FEATURES/BENEFITS

Castrol Cyltech 80AW is a SAE 50, high performance product engineered to offer the ultimate cylinder lubrication for 2-stroke crosshead engines operating on today's typically high sulphur residual fuel.

Improved Cyltech 80AW offers excellent and higher protection: -

- Against corrosive wear: Its higher BN (80) has higher neutralising ability than most standard cylinder oils to give added protection under all operating conditions
- Against scuffing: The improved formulation now offers a "two-step" scuff protection, through resistance against breakdown at high temperatures, and through patented anti-wear (AW) additives. This gives extra protection if oil breakdown occurs under extreme conditions resulting in metal-to-metal contact.

Cyltech 80AW chemistry, with its higher BN, incorporates increased detergent and dispersant properties, resulting in increased piston and cylinder liner cleanliness.

For typical high sulphur residual fuel operation, its benefits are:

- Reduced wear-rates under normal or extreme operating conditions when compared to a standard 70BN cylinder oil.
- Increased margin of safety against scuffing - Cyltech 80AW gives added protection under severe operating conditions such as engine overload or when using fuels of variable quality
- Opportunity to operate at low oil feed rates, thus reducing overall annual lubrication cost
- Excellent cleanliness in piston ring zones leading to reduced deposits, minimising blow-by, thereby improving piston performance, extending overhaul interval and reducing maintenance costs
- Extra protection against corrosive wear sometimes seen in older technology engines, in engines with insufficient cylinder liner insulation, or when fuels of very high sulphur content are used.

Overall, Cyltech 80 AW provides an 'added safety factor' under normal or severe operation, minimising the likelihood of serious cylinder damage.

APPROVAL STATUS

Castrol Cyltech 80AW is approved by the principal manufacturers of crosshead engines for use under conditions specified in their oil recommendation list.

TECHNICAL DATA

Typical Characteristics	Cyltech 80AW
Density at 15 °C, kg/l	0.950
Viscosity at 100°C, cSt	19.5
SAE Number	50
Base Number	80
Closed Flash Point, °C	> 180
Pour Point, °C	-9 or below

The above figures are typical of those obtained within normal production tolerances, and do not constitute a specification.

Castrol Cyltech 80AW contains a careful balance of chemical additives plus an important anti-wear additive combination. *

* Patented