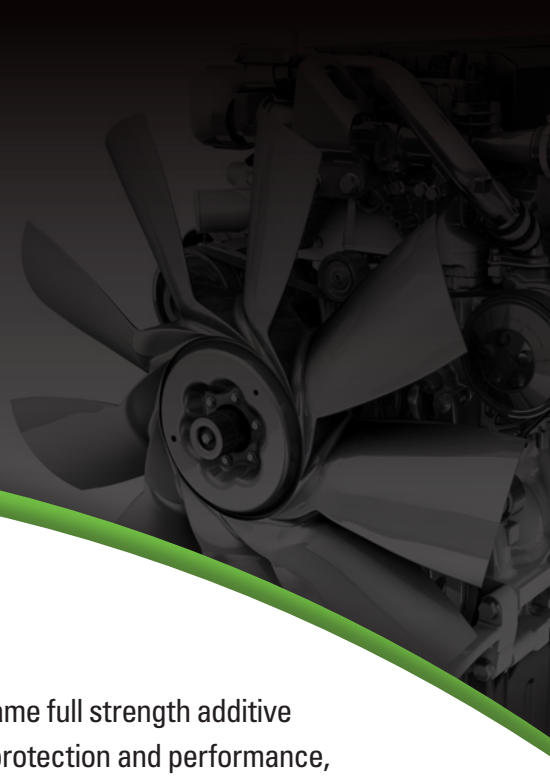
POWER COOL®



HB800 35% Glycol Premix Coolant

The new **Power Cool HB800 35% Glycol Premix Coolant** uses the same full strength additive package as the HB800 50/50 Premix to ensure maximum corrosion protection and performance, however the reduced ethylene glycol content provides additional benefits such as improved heat transfer and thermal efficiency. The lower ratio of glycol to water provides an advantage for equipment operating in high temperature environments and in situations where radiator size is restricted due to space constraints.

Power Cool HB800 35% Glycol Premix Coolant is a luminescent green coloured, low silicate, amine and phosphate free, nitrite based fully formulated hybrid organic acid technology (HOAT) engine coolant which offers an extended service life and is designed for both heavy and light duty diesel engines.

Power Cool HB800 35% Glycol Premix Coolant protects coolant system metals from erosion, corrosion and rust and provides excellent wet sleeve liner cavitation protection. The same basic chemical formulation in the HB800 50/50 Premix has been proven across a range of mixed fleet equipment in heavy-duty industrial applications including mining, power generation and rail as well as light and heavy duty on-highway trucks.

It is recommended for use where an extended service interval is required and it does not require a charge of Supplementary Coolant Additive (SCA) or coolant extender at initial fill, however it is compatible with both. Its compatibility extends to use with other similarly formulated extended life low silicate, nitrite containing hybrid engine coolants which allows for a straightforward changeover process.

Power Cool HB800 35% Glycol Premix Coolant provides protection against low temperature freeze-up or high temperature boil-over and suitable for all seasons use throughout the winter and summer. It provides freeze protection down to -18°C and boil-over protection up to +126°C (with the use of a 100 kPa pressure cap).

Power Cool HB800 35% Glycol Premix Coolant offers the following advantages:

- Low silicate
- Phosphate and amine free
- OEM approved
- No initial SCA requirement at initial fill
- Universal use, fully meets or exceeds standard industry requirements for automotive, light duty, and heavy-duty diesel applications
- Product is compatible with both conventional and OAT coolants (although to get best performance it is best to flush the old coolant and replace with Power Cool HB800 35% Glycol Premix Coolant)
- Product is compatible with standard SCAs and coolant extenders
- Extended life 6 years, 12,000 hours or 1,000,000 km (whichever comes first)*

*Always refer to the OEM maintenance procedures for recommendations regarding drain intervals.

POWER COOL®

Power Cool HB800 35% Glycol Premix Coolant Approvals & Specifications **

Meets or exceeds performance requirements of:		Recommended and suitable for use with:	
• ASTM D3306, D4985, D6210, D7583	• JIS K2234	• CAT EC-1	• Mack 014GS17004
• AS/NZS 2108.1:1997 Type A	• MTU MTL 5048	• Cummins 14603	• New Holland WSN-M97B18-D
• Cummins 3666132	• TMC RP329B	• Ford WSS-M97B51-A1	• PACCAR
• GB 29743-2013		• MAN 324	• Peterbilt 8502.002
• GM 1825M, 1899M		• MB DBL 7700	• Scania 6901
		• Kenworth RO26-170-97	• Volvo Heavy Truck
Power Cool HB800 35% Glycol Premix Coolant is approved by the following OEM's:			
• ***mtu******			

**Performance requirements and recommendations are based on the HB800 Hybrid OAT formulation.
***Refer to the latest *mtu* Fluid and Lubricants Specifications document for specific engine model approval.

Power Cool HB800 35% Glycol Premix Coolant provides excellent value as a universal, long life engine coolant suitable for mixed fleet applications. Along with this value, Penske Australia offers you the following advantages:

- Reliable supply
- Consistent high-quality product
- Unsurpassed technology
- Valuable technical service backup
- Education on safe use and product management to reduce operating costs

For more information on Power Cool Engine Coolants for your application contact your local Penske branch or representative.

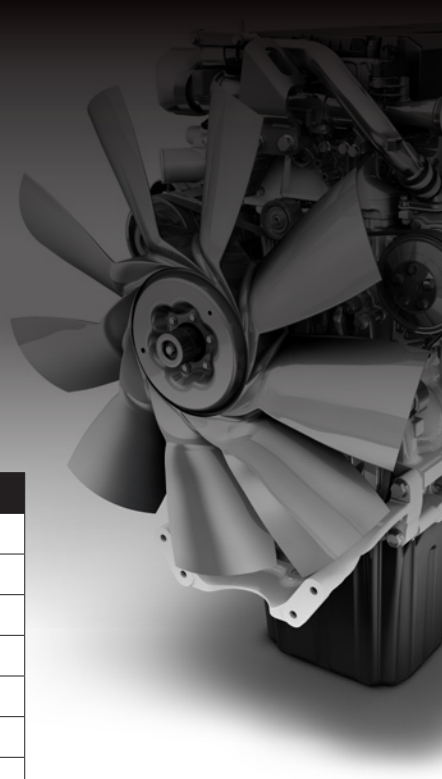
Power Cool HB800 35% Glycol Premix Coolant Performance Testing

Metal Type	ASTM D 1384 Glassware Corrosion		ASTM D 2570 Simulated Service	
	Test Results	Max. Spec.	Test Results	Max. Spec.
Copper	1	10	9	20
Solder	5	30	4	60
Brass	0	10	5	20
Steel	1	10	4	20
Cast Iron	-1	10	2	20
Aluminium	-1	30	4	60

Test	Test Results[1]	Specification
ASTM D4340 Heat Rejecting Aluminum Corrosion (mg/cm²/week)	0.2	1.0 Max.
ASTM D2809 Aluminum Water Pump Cavitation – Erosion Corrosion Rating	8	8 Min.

[1] Weight loss per coupon in milligrams. Values are for coolant made from virgin ethylene glycol.

POWER COOL®



Power Cool HB800 35% Glycol Premix Coolant Physical & Chemical Properties

Characteristic	Performance	Test Method
Appearance	Clear and transparent fluid	
Colour	Green	
pH	7.5 – 9.0	ASTM D1287
Reserve Alkalinity, ml	3.0 min.	ASTM D1121
Specific gravity	1.045 – 1.065	ASTM D1122
Freeze point, °C/°F	-18/0	ASTM D1177
Foam volume, ml	50 max.	ASTM D1881
Foam break time, second	5 max.	ASTM D1881
Chloride, ppm	< 25	ASTM D3634
Silicon, ppm	< 200	ASTM D6130
Phosphate, ppm	< 10	ASTM D5827
Nitrite, ppm	1,200 min.	ASTM D5827
Shelf Life, (Unopened, original container)	5 years	

[2] These characteristics are typical of current production. While future production will conform to Power Cool specification, variations in these characteristics may occur.

Warranty
When added as an initial fill and properly maintained in accordance with engine manufacturer's maintenance recommendation, this product will provide an in-service life of up to 1,000,000 km, 12,000 hours or 6 years, whichever comes first. While deleterious effects are not expected to be significant, mixing with conventional coolants will result in a lower than expected lifetime.

Handling, Storage & Shelf Life
Product should be stored in original container or appropriate dedicated tank or vessel. Although temperature fluctuations will not adversely affect coolant, unused coolant should be stored at ambient conditions.

Under typical conditions and when the container integrity is maintained, product can be stored for up to 5 years without any adverse effect on quality. Product should be agitated before use.

Health, Safety & Environment
For detailed information and recommended practices related to Health and Safety, please refer to the appropriate Safety Data Sheet (SDS). New or spent coolant is never to be disposed of into a septic system, storm sewer or onto the ground. Always dispose coolant in accordance with local, provincial/ state and federal guidelines. Contain any spilled coolant and contact appropriate authorities on appropriate clean-up instructions.

For more information on Power Cool for your application please contact Penske Australia on 1300 688 338

Distributed and recommended by PENSKE Australia

72 Formation Street, Wacol QLD 4076 | penske.com.au

POWERCOOL IS A TRADEMARK OF DETROIT