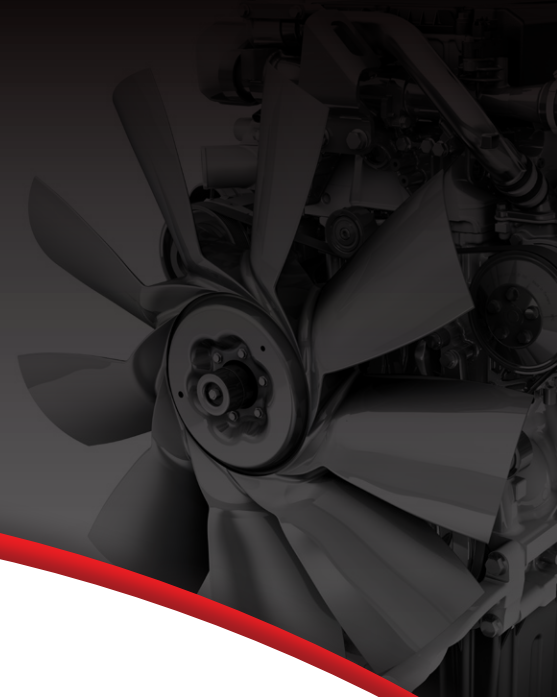


POWER COOL®



PyroShield-GF – Glycol Free Premix Coolant

Power Cool PyroShield-GF Premix Coolant using CCI A216 proprietary formulation chemistry, is a heavy-duty, ready to use coolant based on a unique non-2EHA proprietary extended life organic inhibitor technology specially formulated to provide complete corrosion protection in aqueous systems of heavy-duty engines where freeze protection is not required.

Power Cool PyroShield-GF Premix Coolant is formulated based on A216 inhibitor package using a combination of organic acid inhibitors and does not contain borate, nitrite, amine, phosphate and silicate and is therefore the recommended choice to meet the latest chemistry requirements of heavy-duty engine and vehicle OEMs. The product will provide complete protection to all cooling system components from corrosion and cavitation and maintain proper heat transfer capabilities. The CCI A216 inhibitor package, from which the **Power Cool PyroShield-GF Premix Coolant** is based, is approved by *mtu* in a concentrate formula.

It has been proven across a range of industrial applications including mining, power generation, rail and marine as well as light and heavy duty on-highway trucks and is an excellent choice when an application demands a glycol free solution, such as mixed fleet underground mining applications where glycol is not permitted.

Power Cool PyroShield-GF Premix Coolant contains inhibitors which offer longer service life and superior protection against wet sleeve cavitation, general corrosion, as well as improved elastomer compatibility. It is recommended for use where an extended service interval is required and is ideal for engine cooling systems containing light metals.

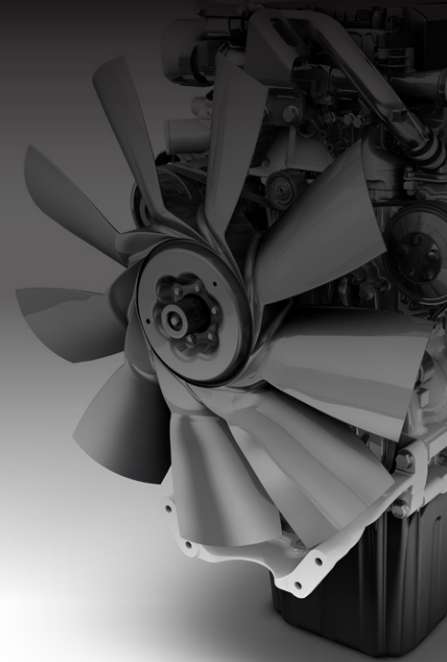
Additionally, **Power Cool PyroShield-GF** Premix Coolant provides environmental benefits given it does not contain any glycol.

Power Cool PyroShield-GF Premix offers the following advantages:

- Glycol free
- Nitrite, amine, phosphate, silicate and borate free
- Manufactured and tested in Australia
- No initial SCA requirement at initial fill
- Compatible with CAB radiators
- Universal use, fully meets or exceeds standard industry requirements for automotive, light duty, and heavy-duty diesel applications with proven protection of light metal components against the effects of cavitation.
- 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 PyroShield-GF Premix coolant provides excellent value as a glycol free, 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 PyroShield-GF Premix Physical & Chemical Properties

CHARACTERISTIC	PERFORMANCE	TEST METHOD
Colour	Red, clear fluid	Visual
pH	8.7	ASTM D-1287
Specific gravity (15.6°C/60°F)	1.02	ASTM D-1122
Foam volume (mL)	40	ASTM D-1181
Foam break time (sec)	13	ASTM D-1881
Freeze point (oC)	0	ASTM D-1177
Boiling point (oC)	100	ASTM D-1120
Shelf Life	2 years minimum	

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

Specifications and Approvals

Power Cool PyroShield-GF Premix Coolant is recommended for use with the following industry and OEM specifications: OEM approval: *mtu* MTL-5049 (MTL-5049 approval is based on CCI A216 concentrate prepared as a packaged premix coolant in accordance with *mtu* requirements imposed on freshwater and within the specified concentration level).

Ref.: Rolls Royce / *mtu* Fluids and Lubricants Specifications A001061 and A001072 (Contact your Penske representative for the latest version).

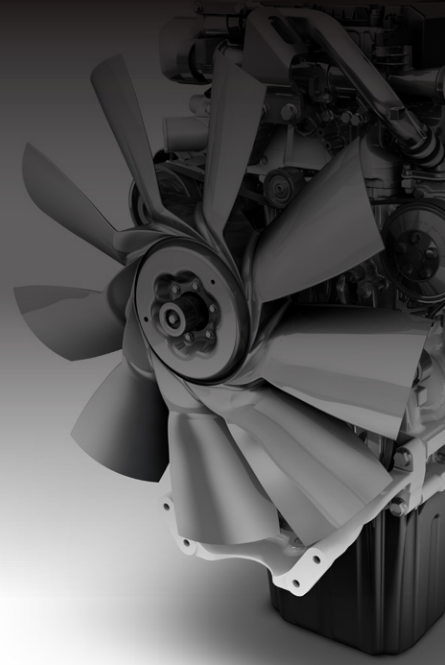
Recommended for use where the following specifications are required:

ASTM
SAE
AFNOR

Recommended for use where following equipment are cited:

Caterpillar	DEUTZ	Kenworth	<i>mtu</i>	Wartsila
CNHi	FENDT	Komatsu	Navistar	Waukesha
Cummins	International	KUBOTA	Scania	
DAF	Jenbacher	MAN	Vestas	
Detroit Diesel	John Deere	Mercedes Benz	Volvo/Mack	

POWER COOL®



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

NOTICE: This product is shipped in compliance with applicable laws and regulations regarding classification, packaging, shipping and handling. The performance and physical property data described for this product are typical results not sale specifications, except where maximum or minimum is indicated. Refer to Safety Data Sheets for further information.

Because use conditions and applicable laws may differ from one location to another and may change with time, the customer is responsible for determining whether product and the information in this document are appropriate for their use and for ensuring that their workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Manufacturer's warranty is limited to the claims of product meeting stated performance specifications. It is the responsibility of the end-user to determine product suitability as recommended in the owner's manual and to follow engine manufacturer's instructions.

Distributed and recommended by



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POWERCOOL IS A TRADEMARK OF DETROIT