ILD FIREGUARD HDGF COOLANT

ILD Fireguard HDGF Coolant is a heavy-duty ready-to-use extended life coolant recommended for environments that demand protection against fire risk during operation such as in mining, earthmoving and construction. It provides superior corrosion protection and efficient cooling properties for long lasting engine.

Based on CCI A216 proprietary formulation, ILD Fireguard HDGF Coolant is a glycol-free coolant with full MTU approval under MTL-5049. It is also meeting the specifications of many heavy-duty engine OEMs making it suitable for multi-fleet heavy-duty engines where anti-freeze is not required.

ILD Fireguard HDGF Coolant is formulated using a combination of organic acid inhibitors and does not contain borate, nitrite, amine, phosphate and silicate. It is therefore the recommended choice to meet the latest chemistry requirements of heavy-duty engine and vehicle OEMs in Australia. The product will provide complete protection to all cooling system components from corrosion and cavitation and maintain proper heat transfer capabilities.

Applications

ILD Fireguard HDGF Coolant is designed to be used in the following applications: -

- Off-road and on-road heavy-duty diesel, petrol and natural gas engine applications such as in mining.
- In stationary engines used in natural gas processing, irrigation, power generation, marine applications, oilfield operations, construction and agricultural equipment and portable air compressors.
- As an inhibitor package for central heating systems, hydraulic safety fluids and mining fluids.
- As a hot test liquid for new engine blocks and to protect engines for up two months of storage.
- As a heat transfer fluid for industrial and commercial applications including data centers and secondary cooling systems in food and medical manufacturing facilities.
- To provide corrosion protection for commercial, construction, agricultural and military engines during storage.

This product is 'ready-to-use' and should not be diluted further with water.

Performance Features & Benefits

OEM Approved and Acceptance

Globally approved extended life coolant formulation, which offers longer service life and improve wet sleeve cavitation, general corrosion, and elastomer compatibility protection.

Long life organic additive technology

When used, and maintained as recommended, this product can be used in service up to 1,000,000 km, 12,000 hours or 6 years for on-road and off-road applications. For stationary/ power - generation applications, the fluid service life is up to 32,000 hours, or 5 years. OEM manufacturers' maintenance guidelines must be always followed. Coolant formulation is based on the extended life corrosion inhibitor A216 technology in aqueous solutions where freeze protection is not required.

Free from amine, borates, nitrites, phosphates, and silicates.

This product does not contain any borates, nitrites, amines, phosphates or silicates (BNAPS Free) and therefore is the recommended choice to meet the major chemistry restrictions of Heavy Duty OEMs in Australia and around the world. Being silicate free, this product has no possibility of silicate gelation and other associated fallout issues.

Extended shelf life

All packages should be stored under cover. Where outside storage is unavailable, drums should be laid horizontally to avoid ingress of water and the possible obliteration of drum labels/makings. Product should not be stored above 60ºC, exposed to direct sun or freezing conditions.

Specifications and Approvals

ILD Fireguard HDGF Coolant is recommended for use with the following industry and OEM specifications:

The product is based on CCI A216 formulation and is a direct rebrand. All approvals for CCI A216 product have full read-across.

Full approval: - MTU MTL-5049
Ref.: MTU/Rolls Royce A001072/02E MTU DDC/Daimler A001061/32E

Recommended for use where the following specifications are required: -

ASTM SAE AFNOR

Recommended for use where following equipment are cited: -

AGRO	Komatsu
Caterpillar	KUBOTA
CNHi	MAN
Cummins	Mercedes Benz
DAF	MTU
Detroit Diesel	Navistar
DEUTZ	Scania
FENDT	Vestas
International	Volvo/Mack
Jenbacher	Wartsila
John Deere	WAUKESHA
Kenworth	

Health & Safety

Comprehensive information detailing potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used product is available in the Safety Data Sheet.

ILD cannot accept liability if the product is used other than in the matter or with the precautions or the purpose's specified in the Product Data Sheet or in the SDS.

Protect the Environment
Take used coolant products to an authorised collection point. Do not discharge into drains, soil or water.

Typical Physical and Chemical Characteristics

	Method	Units	Performance
Appearance	Visual	Red, Clear and Bright Fluid	
pH	ASTM D 1287	8.7	
Specific Gravity (15.6 ºC)	ASTM D 1122	kg/L	1.02 typ
Freeze Point	ASTM D 1177	ºC	0ºC
Boiling Point	ASTM D 1120	ºC	100ºC
Foaming Test	ASTM D 1181	Vol (mL) Break Time (sec)	40 13
Shelf Life (new)		2 years	

These characteristics are typical of current production. Minor variations of these characteristics may occur but will not affect performance.