

AC-7 HDD PG COOLANT

AC-7 HDD PG is a Premium Australian Formulated and Manufactured Long-Life Heavy-Duty Coolant

For use in Light Commercial, On/Off Road Transportation, Mining, Marine, Stationary Engine, and Industrial Cooling Applications where a Fully Formulated Coolant is Required

PRODUCT INFORMATION

AC-7 HDD PG is a Premium Quality, Fully Formulated, Long-Life Anti-freeze / Anti-boil Coolant Available as a Concentrate or Premixed - Ready to Use - Product.

AC-7 HDD PG is Formulated to Meet the Requirements of Many American Heavy Duty OEMs such as Cummins, Detroit, Caterpillar, where a Low Silicate, Nitrite, Nitrate and Molybdate Inhibitor Package is Required.

AC-7 HDD PG contains 90% High Grade Propylene Glycol and Premium Inhibitors, Ensuring Ultimate Corrosion Protection for Heavy Duty Engines where SCA Filters are Recommended or Required.

AC-7 HDD PG Protects all Cooling Systems and Heat Exchange Metals, Plastics, Soft Seals, and Rubbers Found in Modern Cooling Systems and Provides Superior Cavitation, Corrosion and Wet-Sleeve Liner Pitting Protection.

BENEFITS

- Australian Formulated and Manufactured
- Phosphate and Amine Free
- Appropriate for Light Commercial, Heavy Duty & Industrial Applications
- Mixed Fleet Suitable, meets OEM Performance Specifications
- Extended Water Pump Seal Service Life (Low Silicate)
- High Performance Wet Cylinder Liner Protection
- Compatible with OEM SCA Filters

SERVICE LIFE

Equipment Type	Maximum Service Life
Light Commercial	6 years / 1,000,000km
Heavy Duty Engines	6 years / 1,000,000km / 12,000hrs
Marine & Stationary	6 years / 24,000hrs

BLENDING

Equipment Type	Concentration
Automotive	33-50% by Volume
Heavy Duty Engines	50% by Volume
Marine & Stationary	50% by Volume

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TYPICAL PROPERTIES

Appearance	Mobile Liquid
Colour	Green, Red, Blue
pH (50/50 vol/vol):	7.9-8.6
Specific Gravity kg/L:	1.05-1.07
Glycol by Weight (gm/L):	1.0035
Freezing Point:	-34.0°C (50% by Vol.)
Boiling Point:	108°C (50% by Vol.)
Glassware Corrosion Test ASTM D1384	Pass (ASTM D-1384)
Aluminium Corrosion Test ASTM D4340	Pass (ASTM D-4340)
Water Pump Cavitation Test ASTM D2809	Pass (ASTM D-1881)



TEST RESULTS

ASTM D4340 - ALUMINIUM HEAT REJECTION TEST

Allowable Weight Loss	AC-7 Result
1.0mg / cm ² / week	0.30mg

ASTM D3809 – CAVITATION EROSION CORROSION

Rating Minimum	AC-7 Result
8	8

ASTM D 1384 - GLASSWARE CORROSION TEST

Metal	Allowable Weight Loss	Typical Weight Loss
Copper	10mg / coupon	0.5
Solder	30mg / coupon	1.5
Brass	10mg / coupon	0.2
Steel	10mg / coupon	-0.7
Cast Iron	10mg / coupon	-0.5
Aluminium	30mg / coupon	6.3

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SPECIFICATION

Heavy Duty

AC-7 HDD PG is Recommended Where the Following Performance Levels are Required.

TMC RP-338 Extended Life	Cummins Pre-2016 with SCA Filter	Kenworth ALLCool
TMC RP-330	Cummins ES Compleat	Komatsu® AF-NAC (KES 07.892 2009)
ASTM D-3306	DAF (742002, BTPS 606A, DCEA 615)	MAN (324 Type SNF / 248)
ASTM D-4985	Detroit Diesel® (DFS93K217, 7SE298)	Mercedes Benz® (DBL 7700)
ASTM D-6210	EMD M.I. 1748E	MTU (MTL 5048)
ASTM D-5216	Freightliner 48 - 22880	Navistar®
Bergen Engines (2.12.01)	GM® 1899	PACCAR®
Case New Holland®	Iveco® Cursor Engine	Saab Scania® 6901
Caterpillar® DEAC	Japanese JS K 2234	SAE J 1034 and JASO M 324
Caterpillar® NGEC	Jenbacher (TA1000-0201)	Waukesha 4-1974D
CID - A - A - 52624	John Deere® (JDM H24, 8650-5)	Volvo® (Spec No. 1286083)

Meets the phosphate-free requirements of European manufacturers

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STORAGE & HANDLING

AC-7 HDD PG should be stored in ambient temperature conditions between -20°C and 35°C, preferably indoors and out of direct sun. Discolouration of the dye additives may occur after extended exposure to UV light. This discolouration will not negatively impact the performance of the inhibitor package.

Shelf life is expected to exceed 5 years when stored as per the above directions.

Galvanised steel should not be used for the storage or handling of coolants.

HEALTH & SAFETY

AC-7 HDD PG contains propylene glycol which is harmful if swallowed. If swallowed do not induce vomiting and contact Poisons Information Centre (Australia 13 11 26) NZ 0800 764 766) or a doctor immediately.

Avoid eye and skin contact. If contact with skin or eyes occur remove any contaminated clothing and flush skin or eyes with running water for at least 15 mins. Contact Poisons Information Centre (**Australia 13 11 26 / NZ 0800 764 766**) or a doctor for further recommendations.

PRODUCT CODES & QUANTITIES

Available AC-7 HDD PG Concentrate	Pack Size	Pack	Quantity
A/AC7-PG/1	1L	Bottle	Carton (12)
A/AC7-PG/5	5L	Bottle	Carton (4)
A/AC7-PG/20	20L	Cube	
A/AC7-PG/200	200L	Drum	
A/AC7-PG/1000	1000L	IBC	

Available AC-7 HDD PG 50% Premix	Pack Size	Pack	Quantity
A/AC7-PG50/1	1L	Bottle	Carton (12)
A/AC7-PG50/5	5L	Bottle	Carton (4)
A/AC7-PG50/20	20L	Cube	
A/AC7-PG50/200	200L	Drum	
A/AC7-PG50/1000	1000L	IBC	

Custom Dyed Products Can Be Supplied on Request, MOQs apply.