

|   |              | CONVENTIONAL<br>FULLY FORMULATED  | LIGHT DUTY<br>EXTENDED LIFE  | MULTI-PURPOSE<br>ADVANCED FORMULA   | HEAVY DUTY<br>EXTENDED LIFE   |
|---|--------------|---|--|---|---|
| Asian   | OEM Specific | Pre-1999 passenger cars   | ✓  | ✓   | ✓   |
| Daimler Chrysler 2001 & older   | Green        | ✓   | ✓  | ✓   | ✓   |
| Daimler Chrysler 2002–present   | Amber        | NO  | ✓  | ✓   | ✓   |
| European  | OEM Specific | Older model cars<br>requiring non-phosphate   | ✓  | ✓   | ✓   |
| Ford 2001 & older   | Green        | ✓   | ✓  | ✓   | ✓   |
| Ford 2002–2009  | Yellow       | NO  | ✓  | ✓   | ✓   |
| Ford 2010 & newer   | Amber        | NO  | ✓  | ✓   | ✓   |
| Heavy Duty Diesel   | OEM Specific | ✓   | NO   | ✓   | ✓   |
| General Motors 1994 & older   | Green        | ✓   | NO   | ✓   | ✓   |
| General Motors 1995 – present   | Amber        | NO  | ✓  | ✓   | ✓   |
| Saturn  | Amber        | NO  | ✓  | ✓   | ✓   |
| <b>Extreme Applications:</b><br>CNH, Caterpillar, Cummins, Detroit Diesel, GM Heavy Truck,<br>GE – Jenbacher stationary natural gas engines, Hino Truck,<br>International Truck and Engine / Navistar, Isuzu Truck, Kobelco,<br>Mack, Volvo, European vehicles requiring phosphate and<br>nitrite free, Japanese vehicles requiring silicate free | Red          | NO  | NO   | NO  | ✓   |
| <b>Compatibility</b><br><br><i>This is a guide only.<br/>           Check your manual<br/>           for specified<br/>           antifreeze usage.</i>   |              | Conventional<br>fully-formulated HD,<br>Conventional light duty<br>and othersimilar<br>conventional technology<br>low silicant coolants | Most major brands<br>of automotive coolants<br>with hybrid OAT and<br>OAT technologies | Most major brands<br>of aftermarket<br>and OEM Automotive/HD,<br>Diesel Extended Life<br>coolant technology | Most major brands<br>of aftermarket<br>and OEM Automotive/HD,<br>Diesel Extended Life<br>coolant technology |

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|---------------------------------------|---|---|--|---|
| <b>Application</b>                    | Conventional technology coolant does not require a Precharge of SCA for HD engine applications. Can be used in older light duty vehicles pre 1999 that did not come factory filled with extended life OAT or HOAT coolants. | Recommended for use in current makes and models of Asian, Domestic, and European vehicles and light duty trucks. Compatible with Dexcool® and major brands of Extended Life antifreeze. When used in complete drain and fill and properly maintained in accordance to car manufacturer's recommendation, it will provide protection for up to 5 years or 150,000 miles. | Heavy Duty Extended Life multi-Organic Acid formula for mixed fleet use. Designed for use in all makes and models of domestic and foreign cars, light duty, medium duty and heavy duty diesel applications. Compatible with conventional, hybrid, lobrid, and OAT coolants including Dexcool® and Toyota coolants. Nitrite free formula provides excellent liner cavitation protection for HD engines.   | Nitrite Free Heavy Duty Extended Life multi-organic acid formulation for use in on or off road heavy duty engine applications. Designed to provide additional protection for better thermo stability and thermo corrosion protection. Provides cavitation protection without the use of nitrite. CAB radiator compatible. Can also be used in newer light duty vehicles. Do not mix with conventional coolants. |
| <b>Base Fluid</b>                     | Ethylene Glycol   | Ethylene Glycol   | Ethylene Glycol  | Ethylene Glycol   |
| <b>Product pH</b>                     | 9.5 – 11.0  | 7.6 – 8.6   | 7.6 – 9.0  | 7.5 – 8.5   |
| <b>Product Color</b>                  | Green   | Amber   | Yellow   | Red   |
| <b>Meets Performance Requirements</b> | ASTM D3306, ASTM D6210, TMC RP-329, GM 1825 M, 1899M, Cummins 90T8-4, DDC 7SE298  | ASTM D-3306 British Std. BS 6580, Ford WSS-M97B44-D, VW TL774D, Japan Std. JIS K2234, SAE J1034   | ASTM D3306, D4985, D6210, D6208, D7437, D7583 GM 1825M, 1899M, AS.NZ 2108.1:1997 "Type A" BS 6580, JIS K2234   | ASTM D3306, D4985, D6210, D7437, D7583, D7820, TMC RP 364, SAE J1941  |
| <b>Recommended for Use</b>            | Asian passenger cards Pre-1999<br>Ford Pre-2002<br>GM Pre-1994<br>Daimler Chrysler Pre-2002   | Chrysler, Honda/Acura, General Motors, Hyundai/Kia, Mazda Mercedes Benz, Subaru, Toyota/Lexus   | Audi TL774G, Opel B040 0240, BMW N 600 69.0, Porsche, Chrysler MS7170, MS 9769, MS12106, PSA, Fia, Renault, Ford WSS-M97B44A, WSS-M97B44D, WSS-M97B51-A1, Saab 6901599, GM 6277M, Smart, Jaguar, Volvo, Mercedes-Benz Type 325.5 & 325.6, VW Group TL774G, Mini; HD: Caterpillar, Freightliner 48-22880, Cummins 14603 GM Heavy Truck, GM 6277M Int'l Truck & Engine CEMS B-1, Kenworth MACK/Volvo, Kobelco Kubota, PACCAR / DAF MB release 325.5 & 325.6, MAN 324 Type Si-OAT VW TL774G | CNH, Caterpillar, Cummins, Detroit Diesel, GM Heavy Truck, GE – Jenbacher stationary natural gas engines, Hino Truck, Int'l Truck and Engine/Navistar, Isuzu Truck, Kobelco, Mack, Volvo, European vehicles requiring phosphate and nitrite free, Japanese vehicles requiring silicate free   |
| <b>Recommended Change Interval</b>    | 1 year and 15,000 miles per new warranty  | Up to 5 years or 150,000 miles when used as initial fill -or- complete drain, flush, and fill.  | Up to 5 years or 150,000 miles (cars) and up to 6 years -or- 600,000 miles (HD diesel trucks)  | Up to 6 years, 12,000 hours, -or- 600,000 miles in HD applications  |
| <b>SCA or Coolant Extender</b>        | SCA for HD application per Mfg. manual  | None  | Coolant Extended compatible for HD applications.   | Compatible with coolant extenders   |