



TRUCKS

TECHNICAL BULLETIN # EC - 07

DATE: JULY 20, 1999
MODEL YEAR: ALL
CHASSIS MODEL: ALL
ENGINE MODEL: ALL
BULLETIN #: EC - 07
FILE IN THE ENGINE SECTION OF THE TECHNICAL BULLETIN BINDER

INTRODUCTION OF UD GENUINE PART NUMBER IN6001, UD TRUCK LONGLIFE ANTIFREEZE/COOLANT

PURPOSE:

To announce the introduction and availability of UD Genuine part number **IN6001**, a longlife, no borate, no silicate antifreeze/coolant formula that is used to fill the UD Truck engine cooling system when the vehicle is assembled at the factory. This antifreeze/coolant is specifically formulated for use in all UD Truck engine cooling systems regardless of engine model or vehicle year model.

SERVICE NOTICE:

Inferior quality antifreeze, reconstituted or recycled antifreeze, or antifreeze with specifications that do not meet the strict coolant specifications recommended for UD Truck engine cooling systems will have detrimental effects on the proper operation of the engine cooling system and on the service life of engine cooling system components.

Only UD Truck Longlife Antifreeze/Coolant should be used in UD Trucks. For warranty or service policy repairs, this is the only antifreeze/coolant that will be accepted on UD warranty claims. When performing normal preventative maintenance on UD Trucks, the dealer is strongly encouraged to use only UD Truck Longlife Antifreeze/Coolant or commercially available longlife, no silicate, no borate antifreeze/coolant that meets or exceeds the specifications printed on the following page.

Only clean, filtered water should be mixed with the antifreeze/coolant when added to UD Truck engine cooling systems. The use of distilled water is recommended in geographic areas with severe hard water.

PARTS NOTICE:

UD Genuine part number IN6001, UD Truck Longlife Antifreeze/Coolant, is available in one gallon containers and packaged in six containers to the case.

**PHYSICAL, CHEMICAL AND PERFORMANCE REQUIREMENTS
OF UD TRUCK LONGLIFE ANTIFREZE/COOLANT**

PROPERTY		REQUIREMENT	ASTM TEST METHOD
Specific Gravity at 20 °C		1.114 (minimum)	D1122
Boiling Points, °C	Concentrate	155 (minimum)	D1120
	Dilute (50% by volume in distilled water)	107 (minimum)	
Total Apparent Water, % mass		5 (maximum)	D1123
pH (Dilute, 50% by volume in distilled water)		7.5 ~ 9.0	D1287
Freezing Points, °C	30% by volume in distilled water	-14.5 (maximum)	D1177
	50% by volume in distilled water	-34.0 (maximum)	
Corrosion (Glassware) loss in mass, mg/cm ² (20% by volume in JIS composed liquid for 336 ± 2 hours at 88 ± 2 °C)	Cast Aluminum Alloy	± 0.30	Conform to D1384
	Cast Iron	± 0.15	
	Steel	± 0.15	
	Brass	± 0.15	
	Solder	± 0.20	
	Copper	± 0.15	
	Appearance of metal specimens after test	No remarkable change	
Corrosion (simulated cyle test) loss in mass, mg/cm ² (20% by volume in JIS composed liquid for 1000 ± 2 hours at 88 ± 3 °C)	Cast Aluminum Alloy	± 0.30	----
	Cast Iron	± 0.30	
	Steel	± 0.20	
	Brass	± 0.20	
	Solder	± 0.30	
	Copper	± 0.20	
	Appearance of metal specimens after test	No remarkable change	
Corrosion (Heat Rejecting) loss in mass, mg/cm ²	Cast Aluminum Alloy	1.0 (maximum)	D4340

This coolant passes ASTM D3306 for light duty truck engine coolant, ASTM D4985 for heavy duty truck engine coolant and the following requisite tests: Cavitation erosion-corrosion test, High temperature oxidation test, Compatability test with non-metal components of cooling system, Water pump lab test, Dynamometer test and Field service test.