



# SERVICE BULLETIN No.1092

Circulate to listed addressees

<b>COACH MODEL</b>	: Coaches equipped with Detroit Diesel engine
<b>BULLETIN TYPE</b>	: Service Information
<b>MANUAL &amp; SECTION</b>	: Maintenance Manual: Chapter 2 – Cooling
<b>PARTS BOOK REVISION</b>	: No
<b>DATE</b>	: October 12th, 2001
<b>SUBJECT</b>	: <b>NOAT Coolants</b>
<b>TERMS &amp; CONDITIONS</b>	: No claims will be accepted with reference to this Bulletin.

## **APPLICATION:**

The service information subject of this Bulletin is applicable only to Van Hool coaches of which the cooling system has been factory filled with a mixture of ethylene glycol, water and a Nitrite Organic Acid Technology (NOAT) corrosion inhibitor package.

## **DESCRIPTION:**

- The above-mentioned coolant requires less maintenance over the useful life of the engine. A properly maintained NOAT coolant may be operated 4 years or 600,000 miles, whichever comes first. At that time, the system *must* be completely drained and refilled.
- NOAT coolants require the addition of an extender at 300,000 miles or two years, whichever comes first. Use one pint of Detroit Diesel recommended extender for every 20 gallons of coolant (1:160 ratio). Van Hool T2100 and C2000 coaches typically contain 26 US gallons of coolant.
- NOAT fully formulated antifreezes are available as concentrated and pre-mixed. Concentrated antifreezes should be mixed at 50% (50% antifreeze/50% water).

*Description continued on next page.*

*Service personnel: please read, initial and circulate.*

<b>Service Manager</b>	<b>Parts Manager</b>	<b>Warranty Administrator</b>	<b>Workshop Foreman</b>	<b>Service Technician</b>

- NOAT coolants should not be mixed with conventional coolants.
- Do not add extender to new NOAT antifreeze or coolant.
- Detroit Diesel markets a NOAT-inhibited ethylene glycol coolant, DDC POWER COOL and an extender DDC POWER COOL PLUS which contains all of the required additives. If a non-DDC NOAT antifreeze is used, it must conform to TMC RP 338 specification.
- Do not add any additives, other than extender to NOAT antifreeze or coolant.
- Mixing of different manufacturers' technologies (brands) could cause cooling and heating system problems.
- The service procedures in the Van Hool maintenance manuals refer to classic coolants only. They are not applicable to the NOAT type of coolant.

*Description complete.*

### **SERVICE INFORMATION:**

Service Bulletins are issued to supplement or supersede information in the Van Hool manuals. Note Service Bulletin number, date and subject on the register at the end of the relevant chapter(s). File Service Bulletin separately for future reference.