



# SERVICE BULLETIN

SB1357

<b>ADDRESSEES</b>	: ABC Customer Care and Parts Source Owners and operators of vehicles mentioned under "Application"
<b>VEHICLE TYPE</b>	: Vehicles with EPA2016 engine
<b>CONFIGURATION GROUP</b>	: 2.34 Traction engine - Cooling system
<b>BULLETIN TYPE</b>	: Service Information
<b>DATE</b>	: December 19th, 2016
<b>SUBJECT</b>	: New coolant for vehicles with EPA2016 engine
<b>CONDITIONS</b>	: This service bulletin does not entitle to any reimbursement.

## APPLICATION:

As from following units with EPA2016 engine, Van Hool will factory fill the cooling and heating system with **ARTECO Havoline XLC Premix 50/50** coolant for Cummins and Detroit Diesel engines. This OAT (organic acid technology) coolant is ethylene glycol based and is a nitrite, nitrate, borate, phosphate, silicate, and amine-free formulation that provides maximum protection.

Model	VIN
CX35	49270
CX45 Cummins	49190
CX45 Detroit Diesel	49159
TX45 Cummins	41391
TX45 Detroit Diesel	41335
TD925US Cummins	42920
TD925US Detroit Diesel	42889
TDX25US Cummins	42919

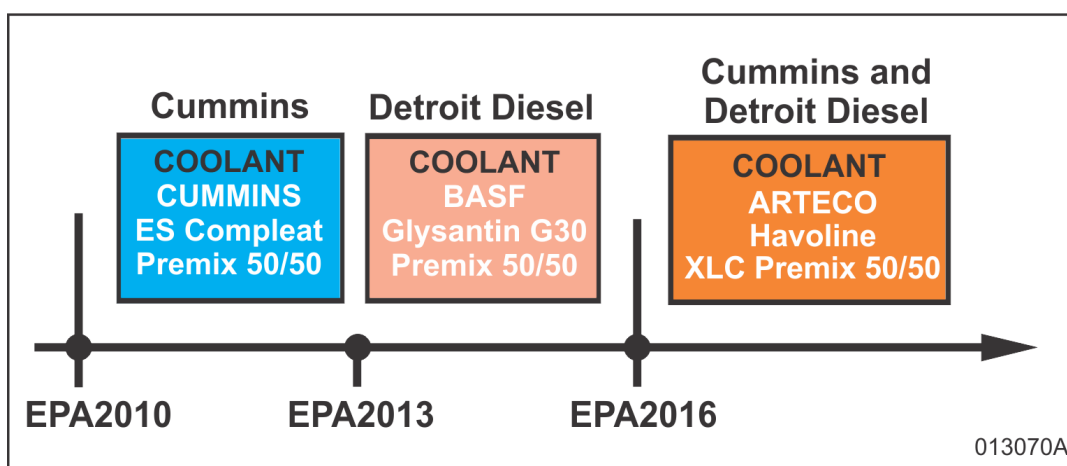
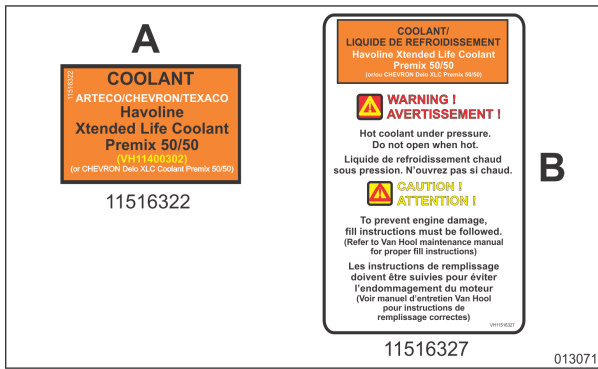


Figure 1: Coolant change-over time line (factory fill)

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Vehicles filled with this new coolant can be identified by the presence of the decals indicated in Figure 2



**Figure 2: Decals with regard to new coolant**

- A. On coolant surge tank**
- B. At the inside of the coolant fill flap**

## **INTRODUCTION**

To simplify engine cooling maintenance operations with regard to coolant, Van Hool has decided to factory fill vehicles with a EPA2016 engine (Cummins as well as Detroit Diesel) with a new coolant. The new coolant is available under several brands:

**ARTECO Havoline XLC (color: orange)**  
**TOTAL Coolelf Auto Supra -37°C (color: orange)**  
**CHEVRON/TEXACO Delo Xtended Life Coolant (color: light red)**

The table below gives a comparison of the maintenance operations to be carried out with the old and the new coolant.

<b>Table 1: Maintenance operations regarding coolant</b>			
	<b>Cummins EPA2013</b>	<b>Detroit Diesel EPA2013</b>	<b>EPA2016 engines = new coolant</b>
To check coolant level	Daily	Daily	Daily
To check antifreeze concentration and additive concentration (molybdate, nitrite) with Fleetguard “3-Way Test Strip”	Every 75 000 miles (at least every 6 months)	Not required	Not required
To change coolant filter	Every 150 000 miles	Every 100 000 miles	Cummins: 150 000 miles Detroit: not applicable
To check condition of coolant with Fleetguard “QuikChek Test Kit”	Every 150 000 miles	Not required	Not required
To add “Coolant Extender”	Not required	Every 300 000 miles	Not required
To change coolant of engine cooling and interior-heating circuit	Not required	Every 600 000 miles	Every 400 000 miles (or 8 000 engine operating hours)
To take a coolant sample and have a laboratory test carried out	Not required	Yearly	Not required
Check anti-freeze concentration of coolant	Not required	Not required	Yearly, at the beginning of the cold season

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## **TOPPING UP**

Always top up with one of the below mentioned brands of coolant (mixture 50/50). Other brands of coolant are not allowed! Use only a fully formulated mixture of water and antifreeze.

**ARTECO Havoline XLC (color: orange)**  
**TOTAL CoolElf Auto Supra -37°C (color: orange)**  
**CHEVRON/TEXACO Delo Xtended Life Coolant (color: light red)**

## **MIXING COOLANT TYPES**

Do not mix coolant types as cooling system damage could occur!

### **INFORMATION HANDLING:**

Important supplements to and modifications of technical information not yet included in the manual, are communicated by means of Service Bulletins.

### **VAN HOOL CUSTOMER PORTAL:**

Consult the customer portal regularly for the latest service documentation. Beside the maintenance manual, you will also find the operating manual and the spare parts catalogue of your vehicle on the customer portal. The customer portal is accessible through [www.vanhool.be](http://www.vanhool.be), and only with a code (password) from Van Hool. If you do not have a password yet, request it by using the link on the Van Hool website.