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Subject: Determining the TRU ATCM Compliance Year of Thermo King Isuzu Engines

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Background:

Owners of Thermo King Transport Refrigeration Units (TRU) powered by TIER1 Isuzu diesel engines may find that the engine emissions year label does not match the TRU manufacturing year. Model year information is needed to apply for an ARB Identification Number (IDN) as required by the CARB Airborne Toxic Control Measure (ATCM) regulation. The compliance dates for meeting the in-use performance standards of the regulation are based on TRU engine model year. When determining the applicable in-use performance standards compliance date, the manufacture year of the TRU may be used instead of the TRU engine model year; however, the TRU unit manufacture year shown on the unit label can be no more than one year later than the TRU engine model year that is typically shown on the engine label.

Isuzu Emission Year Labels:

In some cases, Isuzu engine emissions labels simply state that the engine meets 1999 emissions regulations but do not specifically state the engine model year of manufacturing. Such labels do not fully address the requirements of EPA or ARB. Under the standard CARB ATCM compliance rules, such labels would also shorten the useful TRU life within the state of California. CARB has allowed for use of the following table to identify the manufacturing year of a Thermo King TIER1 Isuzu TRU engine:

Engine Year	1999	2000	2001	2002	2003
First Engine Serial Number in Year of Manufacture	E00145 To E15562	E15563 To E25974	E25975 To E26242	E26243 To E32631	E32632 To E34192

The above table may be used as follows:

1. If the difference between engine manufacturing year found in the table and the TRU manufacturing year is greater than one year, then the engine model year from the table shall be used in accordance with the TRU ATCM.
2. If the difference between engine manufacturing year found in the table and the TRU manufacturing year is one year, then the manufacture year of the TRU may be used instead of the TRU engine model year.

For More Information:

Examples of standard ARB TRU ATCM policy and how that policy is applied may be applied can be found at: <http://www.arb.ca.gov/diesel/tru.htm>.