



# CERTIFICATE

**Q-DAS<sup>®</sup> Incorporated**

grants certification to:

**Hemel Engineering Products, Inc.  
6520 Lockport Road  
Niagara Falls, New York 14305-3597**

for compliance of the Export Interface

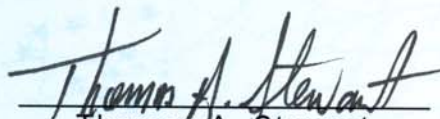
**Geomet v7 and v8**

with the Q-DAS<sup>®</sup> ASCII Transfer Format  
according to the attached specification worksheet.

This certificate confirms that this export interface meets  
the demands of the following documents:

- "Automotive Quality Data Exchange Format (Version 2.0)"
- "GMPT K-fields 20080314"
- "NGSPCS - Gage Interface Specification Attachment A Ford Kfields\_20050216"
- other: \_\_\_\_\_

Rochester Hills, 03/31/10

  
\_\_\_\_\_  
Thomas A. Stewart  
President



**Attachment to the Q-DAS<sup>®</sup> certificate from 03/31/10 for the company  
Hemel Engineering Products, Inc.  
Geomex v7 and v8**

The following data fields were tested and are in compliance with the Q-DAS<sup>®</sup> ASCII Data Transfer Format:

**Values with Additional Data Fields**

K0001 Value  
K0002 Attribute  
K0004 Date/Time  
K0006 Part serial number  
K0007 Position  
K0008 Station/Line  
K0009 Text  
K0010 Machine  
K0012 Gage  
K0014 Part ID  
K0053 Operation

**Part and Characteristics Data**

K0100 Total no. of characteristics in file  
K1002 Part description  
K1053 Operation number  
K1101 Department  
K1303 Plant/Business unit  
K2001 Characteristics number  
K2002 Characteristic description  
K2003 Characteristic abbreviation  
K2004 Characteristic type  
K2005 Characteristic class

K2008 Characteristic group type  
K2022 Decimal places  
K2030 Group number  
K2031 Group element number  
K2060 Event catalog  
K2101 Nominal value  
K2110 Lower specification limit  
K2111 Upper specification limit  
K2112 Lower allowance  
K2113 Upper allowance  
K2120 Lower limit type  
K2121 Upper limit type  
K2142 Unit description  
K2404 Gage resolution  
K2406 Gage manufacturer

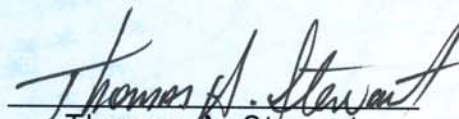
**Characteristics Data for Measurement System Analysis**

K2202 Study type  
K2205 Number of parts  
K2220 Number of operators  
K2221 Number of trials  
K2222 Number of reference measurements

Meets the demands of the following documents:

- "Automotive Quality Data Exchange Format (Version 2.0)"  
 "GMPT K-fields 20080314"  
 "NGSPCS - Gage Interface Specification Attachment A Ford Kfields\_20050216"  
 other: \_\_\_\_\_

Rochester Hills, 03/31/10

  
Thomas A. Stewart  
President