



Q - D A S[®]

CERTIFICATE

Q-DAS[®] Incorporated

grants certification to:

**Cincinnati Test Systems, Inc.
5555 Dry Fork Road
Cleveland, OH 45002**

for compliance of the Export Interface


CTS Q-DAS v1.50

with the Q-DAS[®] ASCII Transfer Format
according to the attached specification worksheet.

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

- "GMPT K-fields 20090925"
- "NGSPCS - Gage Interface Specification Attachment A Ford Kfields_20100520"
- other: "GMPT SP-M-Leak Test Reqt - Engine G2.0"

Rochester Hills, 11/09/10



Thomas A. Stewart
President



**Attachment to the Q-DAS[®] certificate from 11/09/10 for the company
Cincinnati Test Systems, Inc.
CTS Q-DAS v1.50**

The following data fields were tested and are in compliance with the Q-DAS[®] ASCII Data Transfer Format:

Values with Additional Data Fields

K0001 Value	K2022 Decimal places
K0002 Attribute	K2043 Recording device serial no.
K0004 Date/Time	K2060 Event catalog
K0005 Events	K2101 Nominal value
K0006 Part serial number	K2110 Lower specification limit
K0007 Position number	K2111 Upper specification limit
K0008 Line/Loop	K2120 Lower limit type
K0009 Long serial number	K2121 Upper limit type
K0010 Parameter set	K2142 Unit description
K0011 Step number	K2404 Gage resolution
K0012 Gage	K2415 Tool serial no.
K0014 Part ID	
K0053 Operation/Station name	

Part and Characteristics Data

K0100 Total no. of characteristics in file
K1001 Part number
K1002 Part description
K1053 Operation number
K1101 Department
K1303 Plant/Business unit
K2001 Characteristics number
K2002 Characteristic description
K2005 Characteristic class


Characteristics Data for Measurement System Analysis

K2202 Study type
K2205 Number of parts
K2213 Standard actual value
K2220 Number of operators
K2221 Number of trials
K2222 Number of reference measurements

Meets the demands of the following documents:

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Rochester Hills, 11/09/10



Thomas A. Stewart
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