

QUALITY ASSURANCE PROVISIONS
SPECIFICATION

NSN: 9G 2915-00-723-7483 EQ

P/N: (73030) 518570

NOMEN: GUIDE, SPRING, T-58 ENG - GE400/GE402 MODELS

Articles to be furnished hereunder shall be manufactured, tested and inspected in accordance with drawing number (73030) 518570 Rev. "F", or latest revision and all details and specifications referenced therein.

I Quality/Inspection Requirements

- A. MIL-I-45208 applies:
- B. First Article Testing applies: See attachment 1
- C. Mandatory Inspection applies: See paragraph II below
- D. Production Lot Testing applies: See attachment 2

II. Supplemental Requirements

A. Additionally, para 3.1 - 3.5, 5.1 - 5.2, 6.1 - 6.2 of MIL-Q-9858 apply.

B. The contractor shall include on the detailed process/operation sheets developed, all in house manufacturing processes and the identity of all manufacturing sources performing processes/operations outside of their facilities. These shall not be revised or altered after the successful completion of First Article or Production Lot Testing without approval from the Basic Design Engineering activity, via the PCO.

C. The Inspection Method Sheets which list the characteristics of each item produced under the contract shall have serial number traceability to the raw material, casting, or forging.

D. Markings should be in accordance with MIL-STD-130 Rev. "H" paragraph 5.3.3(a), (b), (c), and (g). Method and location shall be in accordance with the drawing.

III. Mandatory Inspection Requirements

During production, mandatory inspection is required to be accomplished by the contractor, as follows:

A. Level of Inspection (LOI):

1) Critical Characteristics: 100% inspection shall apply.

2) Major and Minor Characteristics - LOI shall be in accordance with a sampling

plan acceptable to the QAR.

B. Critical Characteristics: P/N: (73030) 518570

1) .1247/.1242 Dia.

2) $\sqrt{8}$ T

3) This dia to be central with this dia within .001 & perpendicular to this surface within .001.

4) Drawing note 5, 100% I/A/w

C. Major and Minor Characteristics:

1) Shall be defined by the contractor subject to QAR concurrence, unless defined on applicable drawings and associated specifications.

IV. Unless expressly provided for elsewhere in this Clause, equipment such as fixtures, jigs, dies, patterns, templates, mylars, special tooling, test equipment, or any other manufacturing aid required for the manufacture and/or testing of the subject items will not be provided by the Government or any other source and is the sole responsibility of the contractor. The foregoing applies notwithstanding any reference to such equipment or the furnishing thereof that may be contained in any drawing or reference specification.

ATTACHMENT I

FIRST ARTICLE TESTS REQUIRED (GOVERNMENT TESTING)

I. First Article Inspection/Test Criteria

The tests to be performed under the First Article approval clause of the contractor are:

A. Compliance with drawing, (73030) 518570 Rev. F and specifications referenced therein.

B. Review documentation as provided under D.D. 1423 requirements.

In addition to the above tests, the First Articles to be delivered hereunder shall also be subjected to those tests which will demonstrate that the articles comply with contract requirements. The contractor shall be responsible for providing necessary parts and repair of the First Article(s) during testing.

II. Samples to be submitted for testing: Quantity 2

A. Estimated cost: T.B.D.

B. Waiver of FIRST ARTICLE TESTING may be granted for:

1) (73030) Hamilton Standard, United Technologies

III. Testing Facility:

A. Testing shall be performed at the contractor's facility listed below.

(27575) Paramount Machine Co.

ATTN: Fred Kaproue

138 Sanrico Drive

Manchester, CT 06040

PHONE: (860) 643-5549

IV. Special Instructions

A. Sample(s) may be considered as production items under the contract provided the sample(s) can be refurnished to ready for issue (RFI) condition and provided the sample(s) have inspection approval of the cognizant QAR. Sample(s) may be shipped as production items only after other units required under the contract have been produced and are ready for shipment.

B. Estimated Production Leadtime Schedule:

- 1) Submission of the First Article sample by the contractor - 60 days
- 2) Analysis of report and notification to contractor - 30 days
- 3) Production delivery after First Article acceptance - 90 days
- 4) Total accumulated calendar days - 180 days

V. NOTIFICATION OF SHIPMENT OF MATERIAL FOR GOVERNMENT TESTING

Fourteen (14) days prior to examination of First Article Sample(s) the contractor shall notify the designated facilities, in writing of the anticipated test date, with an information copy to the PCO. The contractor shall also arrange for preliminary inspection of test samples by the CAO, QAR.

Upon completion of the test, two (2) copies of the Material Inspection and Receiving Report (D.D. Form 250), bearing the QAR's signature and indication of preliminary inspection, shall be forwarded to the designated facility. The designated facility is:

THE NAVAL INVENTORY CONTROL POINT - PHILADELPHIA
700 ROBBINS AVE.
PHILADELPHIA, PA 19111
ATTN: MICHAEL BARRETT, CODE 0733.6
AUTOVON 442-1247
COMMERCIAL (215) 697-1247
FAX X4356

The envelopes shall be clearly marked "DO NOT OPEN IN MAILROOM".

C-330 PRODUCTION LOT TESTING REQUIREMENTS**I. Production Lot Test Sampling Requirements:**

A. The cognizant CAO/QAR shall select two (2) items at random from the first production lot produced. In addition the QAR shall select one (1) item at random from each successive lot or portion thereof.

B. Production Lot Testing to be completed during production after First Article approval.

C. Samples are to be unpainted. Corrosive areas are to be coated with a light preservative.

II. The tests to be performed under the Production Lot Sample testing provisions of the contract are:

A. Compliance with drawing (73030) 518570 Rev. "F" and specifications referenced therein.

B. Dimensional Check 100%

C. Review of documentation as provided under CDRL, DD1423

In addition to the above tests, the Production Lot Samples to be delivered hereunder shall also be subjected to those tests which will demonstrate that the samples comply with contract requirements.

III. Testing Location, Cost and Estimated Leadtime

A. All testing to be accomplished at contractors facility.

B. Estimated Cost for Inspection/Test is TBD.

C. Estimated Leadtime for Inspection/Test is TBD.

Within fifteen days of completion of Production Lot Testing, the CAO, QAR shall prepare and submit two copies of the test report with conclusions and recommendations to the contracting officer.

IV. Shipment and Distribution of Samples:

A. Fourteen (14) days prior to shipment of production lot samples the contractor shall notify the designated test facility, in writing. The contractor shall also arrange for preliminary inspection of the test samples by the CAO/QAR.

B. Upon shipment of Production Lot Samples, two (2) copies of the Material Inspection and Receiving Report (DD Form 250), bearing the QAR's signature and indication of preliminary inspection, shall be forwarded to NAVICP, with duplicate copies to NAVICP, Code 072 and 0733.6 to the designated test facility. The envelope shall be clearly marked; "DO NOT OPEN IN MAILROOM".

C. Samples may be considered as production items under the contract provided the samples can be refurbished to Ready For Issue (R.F.I.) Condition and provided the samples have inspection approval of the cognizant CAO/QAR. Samples may be shipped as production items only after all other units required under the contract have been produced and are ready for shipment.

D. Samples will be returned to the contractor.

ATTACHMENT II

PRODUCTION LOT TESTING REQUIREMENTS [CONTRACTOR]

NSN: 9G 2915-00-723-7483EQ P/N: (73030) 518570

NOMEN: GUIDE, SPRING, T-58 ENGINE, GE400/402 MODELS

The material produced under contract shall be accepted by the cognizant CAO/QAR upon the successful completion of these requirements.

I. Production Lot Test Requirements

A. The cognizant CAO/QAR shall select two (2) item(s) at random from the production lot. In addition the QAR shall select one (1) item at random from each successive lot or portion thereof.

B. Production Lot Testing to be completed during production after First Article Approval.

C. Sample(s) are to be unpainted. Corrosive areas to be coated with a light preservative.

II. The tests to be performed under the Production Lot Sample testing provisions of the contract are:

A. Compliance with drawing (73030) 518570 Rev "F" and all specifications referenced therein.

B. Dimensional Check

In addition to the above tests, the Production Lot Sample(s) to be delivered hereunder shall also be subjected to those tests which will demonstrate that the sample(s) comply with contract requirements.

III. Testing location: (2T575) PARAMOUNT MACHINE CO.

**ATTN: FRED KAPROVE PHONE: (860) 643-5549
138 SANRICO DRIVE
MANCHESTER, CT 06040**

A. All testing will be accomplished at the contractors facility.

Within fifteen (15) days of completion of Production Lot Testing the CAO/QAR shall prepare and submit two (2) copies of their test report with conclusions and recommendations to the Contracting Officer.

IV. NOTIFICATION OF TESTING:

The contractor shall notify the PCO, ACO, and QAR prior to conducting Production Lot Tests so the Government may witness such testing.

A. The QAR shall be present to witness of Production Lot Testing

V. Shipment and Distribution of Samples

A. Sample(s) may be considered as production items under the contract provided sample(s) can be refurbished to Ready For Issue (RFI) condition and provided sample(s) have inspection approval of the cognizant DCMAO. Sample(s) may be shipped as production items only after all other units required under the contract have been produced and are ready for shipment.

ATTACHMENT II

PRODUCTION LOT SAMPLE TESTING

[CONTRACTOR TESTING]

A. The Production Lot Samples shall be selected at random by the cognizant government QAR. The samples shall be identified by contract number, and be clearly marked as follows:

**PRODUCTION LOT TEST SAMPLES
NOT R.F.I. MATERIAL
DO NOT TRADE UP IN STOCK**

B. Such samples shall be tested in sufficient time prior to the delivery of the production articles to allow a 45 day period for testing and written notification by the contracting officer of the approval or disapproval of the samples. Within 15 days of the receipt of the samples, the CAO shall notify contracting officer, Defense Supply Center Richmond of the results of the testing, together with the recommendation for approval or disapproval.

C. In the event the contractor does not receive written notification of approval or disapproval of the samples for a particular lot within 60 days from their submission for such testing, the contract delivery schedule shall be equitably adjusted as necessary.

D. If the contractor fails to deliver any Production Lot Samples for testing within the time or times specified, or if the contracting officer disapproves any Production Lot Samples, the contractor shall be deemed to have failed to make delivery within the meaning of the default clause of this contract, and this contract shall be subjected to termination for default.

E. In order for a Production Lot to be acceptable, all samples representative of the lot must pass all the contract requirements. In the event a sample fails to pass such requirements, the lot will be rejected. In such event, the government may, at its option and at no additional cost to the government, (I) terminate all or any portion of this contract for default, (II) require the manufacture of a new Production Lot, or a rework of the rejected Production Lot if the means and procedures by the contractor for rework are acceptable to the government, or (III) require the submission of additional samples for test. The foregoing procedures shall apply to new or reworked Production Lots in the same way as they did to the original Production Lot.

F. For each additional sample or each resubmission of a modified sample which the contractor is required to submit for approval hereunder as a result of a failure of a previous sample to conform to the requirements of the specification, the contractor shall pay to the government the costs of reinspection, examination and retesting and the contractor and his sureties (if any) shall be liable for the amount of such costs.

G. Nothing contained in the foregoing provisions of this clause, and no action of the government in accordance herewith, shall in any way prejudice the right of the government under the clause of this contract entitled Default.

PUBLIC REPORTING BURDEN FOR THIS COLLECTION OF INFORMATION IS ESTIMATED TO AVERAGE 440 HOURS PER RESPONSE, INCLUDING THE TIME FOR REVIEWING INSTRUCTIONS, SEARCHING EXISTING DATA SOURCES, GATHERING AND MAINTAINING THE DATA NEEDED AND COMPLETING AND REVIEWING THE COLLECTION OF INFORMATION. SEND COMMENTS REGARDING THIS BURDEN ESTIMATE OR ANY OTHER ASPECT OF THIS COLLECTION OF INFORMATION, INCLUDING SUGGESTIONS FOR REDUCING THIS BURDEN TO DEPT. OF DEFENSE, WASHINGTON HEADQUARTERS SERVICES, DIRECTORATE FOR INFORMATION OPERATIONS AND REPORTS, 1215 JEFFERSON DAVIS HWY., SUITE 1204, ARLINGTON, VA. 22202-4302, AND TO THE OFFICE OF MANAGEMENT AND BUDGET, PAPERWORK REDUCTION PROJECT (0704-0188), WASH. DC 20503. PLEASE **DO NOT RETURN** YOUR FORM TO EITHER OF THESE ADDRESSES. SEND COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT / PR NO. LISTED IN BLOCK E.

A. CONTRACT LINE ITEM NO.		B. EXHIBIT	C. CATEGORY:	
			TDP	TM
			OTHER	

D. SYSTEM/ITEM	E. CONTRACT/ PR. NO.	F. CONTRACTOR
9G2915-00-723-7483 EQ		

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
1	CERTIFICATION DATA REPORTS	COMPLETE PROCESS OF SHEETS

4. AUTHORITY (Data acquisition document No)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MISC-80678/T1		NAVICP-PHIL

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQ	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION		
LT			SEE BLOCK 16*	b. COPIES		
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE	Draft	Final
A			SEE BLOCK 16*		Reg	Repro

16. REMARKS

PARA. 10.1; 10.2; 10.2.1; 10.2.2; 10.2.4; 10.5 SHALL APPLY

*UPON SUBMISSION OF FIRST ARTICLE TESTING SAMPLE(S) AND/OR PRODUCTION LOT SAMPLE.

**IF PROCESS OPERATION SHEETS CHANGE AFTER SUCCESSFUL COMPLETION OF F.A.T.

NAVICP-PHIL			
CODE 0733	*	1/0	
CAO	**	1/0	
COG/DLA	*	1/0	
15. TOTAL		3/0	

1. DATA ITEM	2. TITLE OF DATA ITEM	3. SUBTITLE
2	CERTIFICATION DATA REPORT	

4. AUTHORITY (Data acquisition document No)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MISC-80678/T2		NAVICP-PHILA

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQ	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION		
LT			SEE BLOCK 16*	b. COPIES		
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE	Draft	Final
A			SEE BLOCK 16*		Reg	Repro

16. REMARKS

PARA. 10.1; 10.2.1; 10.2.2, 10.2.4, 10.5 SHALL APPLY

*UPON SUBMISSION OF FIRST ARTICLE TESTING SAMPLE(S) AND/OR PRODUCTION LOT SAMPLE

**AT TIME OF CONTRACT COMPLETION

NAVICP-PHIL			
CODE: 0733	**	1/0	
CODE: 01	**	1/0	
COG/DLA	**	1/0	
CAO		1/0	
15. TOTAL		4/0	

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
MICHAEL BARRETT, CODE 0733.6			

FOR GOVERNMENT PERSONNEL

- Item A. Self-explanatory.
- Items B. Self-explanatory.
- Item C. Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual; Other - other category of data, such as "Provisioning," "Configuration Management", etc.
- Item D. Enter name of system/item being acquired that data will support.
- Item E. Self-explanatory (to be filled in after contract award).
- Item F. Self-explanatory (to be filled in after contract award).
- Item G. Signature of preparer of CDRL.
- Item H. Date CDRL was prepared.
- Item I. Signature of CDRL approval authority.
- Item J. Date CDRL was approved.
- Item 1. See DoD FAR Supplement Subpart 4.71 for proper numbering.
- Item 2. Enter title as it appears on data acquisition document cited in Item 4.
- Item 3. Enter subtitle of data item for further definition of data item (optional entry).
- Item 4. Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.
- Item 5. Enter reference to tasking in contract that generates requirement for the data item (e.g., Statement of Work paragraph number).
- Item 6. Enter technical office responsible for ensuring adequacy of the data item.
- Item 7. Specify requirement for inspection/acceptance of the data item by the Government.
- Item 8. Specify requirement for approval of a draft before preparation of the final data item.
- Item 9. For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref. DoDD 5230.24).
- Item 10. Specify number of times data items are to be delivered.
- Item 11. Specify as-of date of data item, when applicable.
- Item 12. Specify when subsequent submittals are required, when applicable.
- Item 13. Specify when subsequent submittals are required, when applicable.
- Item 14. Enter addressees and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.
- Item 15. Enter total number of draft/final copies to be delivered.
- Item 16. Use for additional clarifying information for Items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14; Desired medium for delivery of the data item.

FOR THE CONTRACTOR

Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing, and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

b. Group II. Definition - Data which is essential to the performance of the primary contracted effort and the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data items to the Government.

c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.

Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply the data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use the data shall be governed by the pertinent provisions of the contract.

(See DOD 5010.12-M for detailed instructions.)

FOR GOVERNMENT PERSONNEL

- Item A. Self-explanatory.
- Items B. Self-explanatory.
- Item C. Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual; Other - other category of data, such as "Provisioning," "Configuration Management", etc.
- Item D. Enter name of system/item being acquired that data will support.
- Item E. Self-explanatory (to be filled in after contract award).
- Item F. Self-explanatory (to be filled in after contract award).
- Item G. Signature of preparer of CDRL.
- Item H. Date CDRL was prepared.
- Item I. Signature of CDRL approval authority.
- Item J. Date CDRL was approved.
- Item 1. See DoD FAR Supplement Subpart 4.71 for proper numbering.
- Item 2. Enter title as it appears on data acquisition document cited in Item 4.
- Item 3. Enter subtitle of data item for further definition of data item (optional entry).
- Item 4. Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMS DL), or one-time DID number, that defines data content and format requirements.
- Item 5. Enter reference to tasking in contract that generates requirement for the data item (e.g., Statement of Work paragraph number).
- Item 6. Enter technical office responsible for ensuring adequacy of the data item.
- Item 7. Specify requirement for inspection/acceptance of the data item by the Government.
- Item 8. Specify requirement for approval of a draft before preparation of the final data item.
- Item 9. For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref. DoDD 5230.24).
- Item 10. Specify number of times data items are to be delivered.
- Item 11. Specify as-of date of data item, when applicable.
- Item 12. Specify when subsequent submittals are required, when applicable.
- Item 13. Specify when subsequent submittals are required, when applicable.
- Item 14. Enter addressees and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.
- Item 15. Enter total number of draft/final copies to be delivered.
- Item 16. Use for additional clarifying information for Items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in

FOR THE CONTRACTOR

Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing, and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

b. Group II. Definition - Data which is essential to the performance of the primary contracted effort at the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data items to the Government.

c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.

Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply the data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use the data shall be governed by the pertinent provisions of the contract.