QUALITY ASSURANCE PROVISIONS

NSN:1560-00-323-3234 **P/N:** (88277) 4445436-503
NOMENCLATURE: Crank Assembly

Articles to be furnished hereunder shall be manufactured, tested and inspected in accordance with drawing number (88277) 4445436-503 REV "Latest" and all details and specifications referenced therein.

I. QUALITY/INSPECTION REQUIREMENTS

A. MIL-I-45208 or equivalent applies.
B. Mandatory Inspection applies.
C. First Article Testing.

II. SUPPLEMENTAL REQUIREMENTS

A. Additionally, paragraphs; 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 process/operations outside of their facilities. These sheets shall not be revised or altered after the successful completion of FIRST ARTICLE OR PRODUCTION TESTING without the approval from the engineering support activity via the P.C.O.

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. In addition, the contractor is responsible for providing completed inspection method sheets the actual dimensions taken.

D. Markings should be I/A/W MIL-STD-130 REV. H, par. 5.3.3 (a), (b), (c), (g). Method and location shall be I/A/W the drawing.

III. MANDATORY INSPECTION REQUIREMENTS:

A. LEVEL OF INSPECTION (L.O.I.)

1) Critical Characteristics: 100% inspection applies

2) Major and Minor Characteristics: L.O.I. shall be I/A/W a sampling plan acceptable to the Q.A.R.

B. CRITICAL CHARACTERISTICS:

Critical: Defined as described below

1) Diametrical and linear dimensions having a total tolerance of .001" or less.
2) Surface finishes having a 16 value or less.
3) Any geometric feature control requirement with a total tolerance range of .002" or less.
4) Angular tolerances with a total range of less than one degree.
5) Threads specified to class three or greater.

C. MAJOR AND MINOR CHARACTERISTICS:

1) Shall be defined by the contractor subject to Q.A.R. 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 item 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 referenced specification.

FIRST ARTICLE REQUIREMENTS

I. Sampling Requirements:

A. The contractor shall test one (1) item.

B. First Article Testing to be completed prior to production.

C. Samples are to have all surfaces treated per applicable drawing.

II. The tests to be performed under the First Article testing provisions of the contract are:

A. Compliance with drawing, (88277) 4445436-503 REV. "Latest", and all details and specifications referenced therein

B. Dimensional Check, 100%

C. Form/Fit

D. Review of documentation as provided under CDRL, DD1423

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

III. Testing Location, Cost and Estimated Lead-time:

A. Contractors Facility

B. Shipping container marking: **NON RFI**

C. Estimated Cost for Inspection/Test N/A

D. Estimated Lead Time for Inspection/Test is 30 days

Within fifteen (15) days of completion of Production Testing, the contractor shall prepare and submit two copies of the test report with conclusions and recommendations to the contracting officer, and the NAVAL Air Systems Command Code 4.1.1.4.

CONTRACT DATA REQUIREMENTS LIST
(2 Data Items)

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 220 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 Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. 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 1560-00-323-3234	E.CONTRACT/PR NO.	F.CONTRACTOR

1.DATA ITEM NO.	2.TITLE OF DATA ITEM	3.SUBTITLE	17.PR
001	Certification Data Reports	Process operation Sheets	

4.AUTHORITY (Data Acquisition Document No.)	5.CONTRACT REFERENCE	6.REQUIRING OFFICE	18.ES TOT
DI-MISC-80678/T1		NAVICP	

7.DD250 REQ	9.DIST STATEMENT REQUIRED	10FREQUENCY	12DATE OF FIRST SUBMISSION	14.DISTRIBUTION
LT		as required	see blk 16	
8.ADP CODE		11.AS OF DATE	13.DATE OF SUBSEQUENT SUBMISSION	
A			see blk 16	

16.REMARKS
Paragraphs 10.1, 10.2, 10.2.1, 10.2.2, 10.2.4, 10.5 of DI-Misc_80678 apply.
Block 12: With First Article Sample and test report.
Block 13: To be submitted only if changed.

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
DCAS/ QAR	0	1	0
PCO	0	1	0
NAVAIR 4.1.1.4	0	1	0
15.TOTAL	0	3	0

1.DATA ITEM NO.	2.TITLE OF DATA ITEM	3.SUBTITLE	17.PR
002	Certification Data Reports	Inspection Method Sheets	

4.AUTHORITY (Data Acquisition Document No.)	5.CONTRACT REFERENCE	6.RE2QUIRING OFFICE	18.ES TO
DI-MISC-80678/T2		NAVICP	

7.DD 250 REQ	9.DEST STATEMET REQUIRIED	10.FREQUENCY	12.DATE OF FIRST SUBMISSION	14 DISTRIBUTION
LT		As required	see blk. 16	
8.ADP CODE		11AS OF DATE	13DATE OF SUBSEQUENT SUBMISSION	
A			see blk 16	

16.REMARKS
Block 12: With First article Sample and test report.
Block13: To be submitted only if changed
Paragraphs 10.1, 10.2, 10.2.1, 10.2.2, 10.2.4, 10.5 of DI-Misc_80678 apply.

a.ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
DCAS/ QAR	0	1	0
PCO	0	1	0
NAVAIR 4.1.1.4	0	1	0
15.TOTAL	0	3	0

G.PREPARED BY	H.DATE	I.APPROVED BY	J.DATE
David Gross	01/02/03	D. Gross	01/02/03

CONTRACT DATA REQUIREMENTS LIST
(2 Data Items)

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP☒ TM☐ OTHER☐
D. SYSTEM/ITEM 1560-00-323-3234	E. CONTRACT/PR NO.	F. CONTRACTOR

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PR
003	Certification Data Report	Material, and Process Sources*	

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ES TOT.
DI-MISC-80678/T3		NAVICP	

7. DD250 REQ	9. DIST STATEMENT REQUIRED	10 FREQUENCY	12 DATE OF FIRST SUBMISSION	14. DISTRIBUTION
LT		As Req.	See blk. 16	
8. ADP CODE A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION See blk. 16	

16. REMARKS

Paragraphs 10.1, 10.2, 10.2.1, 10.2.2, 10.2.4, 10.5 of DI-Misc_80678 apply.

Blk 12: With First Article Sample and test report.

Blk 13: Required only if sources change.

Blk. 3: Separate Reports shall be submitted for the below listed subtitles:

Material Certifications

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
DCAS/ QAR	0	1	0
PCO	0	1	0
NAVAIR 4.1.1.4	0	1	0
15. TOTAL	0	3	0

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PR
004	Test Report	First Piece Test Report	

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. RE2QUIRING OFFICE	18. ES TO
DI-NDTI-80809		NAVAIR	

7. DD 250 REQ	9. DEST STATEMET REQUIRIED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION	14 DISTRIBUTION
LT		One time	See Blk 16	
8. ADP CODE A		11 AS OF DATE	13 DATE OF SUBSEQUENT SUBMISSION See Blk 16	

16. REMARKS

Blk 12: 120 DAC

Blk 13: Required only if manufacturing process changes.

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
DCAS/ Qar	0	1	0
NAVAIR 4.1.1.4	0	1	0
PCO	0	1	0
15. TOTAL	0	3	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
David Gross	01/02/03	D. Gross	01/02/03