

TEST CERTIFICATE

B.S.I Registered in ISO 9001 : 2000 / AS9100 Cert No. FM 266

BOLT CERTIFICATE

Page 1 of 1

PART NUMBER: HST 10 AG 5 7 (Iss 29) (HST10AG5-7) BATCH NUMBER: 6158799 L462
DOCKET NO. 8123 MATERIAL RELEASE NO: 039255 CAST/MILL HEAT NO: 8822162
MATERIAL SPEC: AMS 4967 (6AL 4V, TA28) PROC SPEC: HS380 Rev K SUPPLIER: Dynamet Inc
FORGING NUMBER: 6846205 M091 QUANTITY: 25967 DATE: 02/04/2009

CHEMICAL ANALYSIS

The chemical analysis results have been taken from the original mill certificate and are not UKAS accredited.

Al: 6.06	C: .016	Fe: .16	H ₂ : 0.0054	N ₂ : .009
O ₂ : .14	Ti: BAL	V: 3.98	Y: <.005	

MICRO EXAMINATION as per LI20 and Procurement Specification HS380 Rev K

SPS SAMPLE PACKET NUMBER: 07010409 NUMBER OF SAMPLES: 10
Metallographic examination conforms to procurement specification requirements in all respects.

HEAT TREATMENT RESULTS: 1. Test Bar tested per BS EN 10002-1: 2001

U.T.S. (MPA)	.2% P.S. (MPA)	ELONGATION %	R.A. %
1186	*1036	24.5	49.0

* L of P

DOUBLE SHEAR per NASM1312 Test No. 13

1 4337	4 4288	7 4338	10 4273	13	Min: 4010
2 4307	5 4344	8 4284	11	14	Max:
3 4334	6 4312	9 4301	12	15	(lbs)

H-head failure

T-thread failure

D-test discontinued

ULTIMATE TENSILE per NASM1312 Test No 8.

1 2372H	4 2454H	7 2418H	10 2387H	13	Min: 1940
2 2412H	5 2443H	8 2390H	11	14	Max:
3 2436H	6 2403H	9 2430H	12	15	(lbs)

H-head failure T-thread failure D-test discontinued

TENSION-TENSION FATIGUE per NASM1312 Test No 11.

MACHINE TEST NO: 22515B
Samples tested: 10 All tests disc. @ 60000 cycles.

HYDROGEN ANALYSIS OF FINISHED PART per LI16

Specification Requirements: 125 ppm max. Test Result: 70 ppm

OTHER TEST DATA OR COMMENTS

N/A = Test not applicable as per procurement specification.

Alum spray coat Hi kote 1 to HS294 Cetyl Alc HS305

Certified that this is a true record of the tests carried out on this batch.

END OF TEXT

K M Chughatai
Laboratory
Team Leader

Signed: K. M. Chughatai Date: 05-05-09

For and on authority of SPS Technologies Ltd.



P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXAerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: AJ WALTER AVIATION LTD

PURCHASE ORDER#: CP15682

QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MFR DTE	EXP DATE
300	EA	HST10AG5-7		6158799-L462		



Jason Lewis
Senior Director, Global Quality

02/26/16

Inv # 02/26/16