



A Textron Company

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Supplier Status Report

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Bell Helicopter Canada PQR

Charbonneau, Daniel

Supplier Code

Assigned Organization

Primary Contact

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Class

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09/20/2007

Canada Mandatory

Charbonneau, Daniel

Survey Date

Survey Type

Surveyed By

09/15/2006

Quality Management System Manual

Quality Manual Date

Quality Manual Title

ISO Rating

ISO Auditing Agency

ISO Certificate Number

ISO Rev Date

AS9100 Rating

AS9100 Auditing Agency

AS9100 Certificate Number

AS9100 Rev Date

Your company has been approved for the capabilities indicated below. **This approval applies only to the manufacture of products ultimately destined for shipment to BHT.** Your approval shall remain in effect until rescinded in writing by Bell Helicopter Textron, Inc. Designation of an approve status for the listed capabilities is not a waiver of specification, inspection, record requirements, nor a guarantee of acceptance of the articles.

Approved:

BHT Internal Support For M. CHARNOU

APPROVED CAPABILITIES

QPS Code	BPS Code	Category Code	Description	Restrictions?
101F	CRT		APPROVED FOR CRITICAL AND PRIMARY PARTS	N
	FLT		APPROVED FOR FLIGHT SAFETY, CRITICAL, AND PRIMARY PARTS	N
	4453	IH1	INSPECTION, CONDUCTIVITY, OF WROUGHT ALUMINUM ALLOY SHEET, BAR, PLATE, FORGINGS & EXTRUSIONS TO DETERMINE HEAT TREAT.	N
		PRI	APPROVED FOR PRIMARY PARTS	N
	4462	SN1	FORMING TITANIUM SHEET - COLD FORMING	Y
	4139	XA5	HEAT TREATMENT OF ALUMINUM ALLOY 2024 LESS THAN .036 INCH (HAND/SPECIAL QUENCH)--(INCLUDES XA1, XA2, XA3, XA4).	N
	4140	XB	HEAT TREAT LOW ALLOY STEEL, SEC. 2	N
	4140	XH	HEAT TREAT STAINLESS STEEL, SECT. 3	N
	4140	XI	HEAT TREAT MAR-AGING AND PH STEELS, SECT. 4	N
	4140	XJ	HEAT TREAT TOOL STEEL SECT. 5	N

Comments / Restrictions

Approved Furnace Listing: Aluminum - XA5: Solution Heat Treating and aging - 4, 7(Air) Aging Only - 15(Air) Low Alloy Steel - XB: Austenitizing (Hardening) - 2(Ar,H2,N2), 12(Vacuum with Internal Oil Quench) Tempering (1100°F and below) - 2,10,11(all Ar, H2,N2), 8,9,12,14,18(all Vacuum) Tempering (1150°F and below) - 4,5,7(all Air) Tempering (1000°F and below) - 15(Air) Tempering (1200°F and 1250°F, e.g. 4130, 4135, 4140, 4340 at 100 and 125 KSI min) - 8,9,14,18(all Vacuum) Normalizing, Annealing - 2,10,11(all Ar,H2,N2), 8,9,12,14,18(all Vacuum) Stress Relieving - 2,10,11(all Ar,H2,N2) 4, 5, 7,15(all Air), 8,9,12,14,18(all Vacuum) Stainless Steel - XH: Annealing - 2,10,11(all Ar,H2,N2), 8,9,12,14,18(All Vacuum) Austenitizing (Hardening 400 series) - 14,18(Vacuum) Stress Relieving (300 series except 321/347) - 2,10,11(all Ar,H2,N2), 4,5,7,15 (all Air) Stress Relieving (321/347, between 800-1100°F) - 8,9,12,14,18 (all Vacuum) Tempering and Stress Relieving (400 series, below 1100°F) - 2,10,11(all Ar, H2,N2), 4,5,7,15(all Air), 8,9,12,14,18(all Vacuum) PH Steel - XI: Homogenization - 2,10,11(all Ar,H2,N2), 9,14,18 (all Vacuum) Solution Heat Treating - 14,18(Vacuum) Austenite Conditioning - 2,10,11(all Ar,H2,N2) 8,9,12,14,18(all Vacuum) Precipitation Hardening (1100°F and below) - 2,10,11(all three Ar,H2,N2), 8,9,12,14,18(all Vacuum) Precipitation Hardening (1150°F and below) - 4,5,7(all Air) Precipitation Hardening (1000°F and below) - 15 (Air) Maraging (18% Ni) - 2,10,11(all Ar, H2, N2) 8,9,12,14,18(all Vacuum), 4,5,7,15(all Air) Ultra High Strength - XJ: For 52100, 4330V and 300M Austenitizing - 12(Vacuum with Internal Oil Quench) Tempering - 4,5,7,15(all Air) Normalizing and Annealing-2,10,11(all Ar,H2,N2), 8,9,12,14,18 (all Vacuum) For H-11 and H-12 Hardening - 14,18(Vacuum) 1st Temper - 8,9,14,18(all Vacuum) 2nd and 3rd Tempers - 8,9,14,18(all Vacuum), 2,10,11(all Ar, H2, N2) For Aermet 100 Austenitizing - 12(Vacuum with internal Oil Quench) Deep Freeze (-100°F): CS1 Aging: 4,7 (both Air) Titanium - XFR: Stress Relieving - 8,9,12,14,18(all Vacuum), 2,10,11(all Ar, H2, N2) SN1 restricted to stress relieve only. RVA 1074,1082,1229,1286,1435, 1554, 1712 and 1798

QPS-103 Special Approvals