## VISIT US ON OUR WEBSITE @ WWW.PSI-PCI.COM

<text><text><text><text><text><text></text></text></text></text></text></text>	TANK TYPE	MOUNT	LOCATION	PMD DEVICE	
<section-header><section-header><section-header><text><text><text><text></text></text></text></text></section-header></section-header></section-header>	Simple	Pads	Cylinder	Vane	(HIN)
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<text>Notational and a participation of the p</text>	This tank is a 21-inch x 48-inches long titanium tank. The tank is constructed of titanium 6AI-4V with a nominal membrane thickness of 0.029"-0.032". Mounting is provided by 1welded sidemount & 4 strut supports located on the tank inlet & outlet bosses. The tank contains an internal Propellant Management Device, constructed from titanium sheet & titanium woven screen. The PMD serves to maintain separation of liquid propellant (NTO) & gaseous pressurant, & to provide predictable gas-free liquid propellant expulsion from the tank under low or zero gravity conditions.				ATK Part Number 80394-1 SIZE: 21.25-inch ID x 47.8-inch Long
	<u>ISO 9001</u>	1 & A	s 9100 r	EGISTERED	SIZE: 540 X 1214-mm
	APPLICABLE DOCU	MENTS	TAN	K CHARACTERISTICS	ACCEPTANCE TESTS
	Qualification Test Procedure	50-000489	Operating Pressure, psig	300 Total Volume, ci 13,979	Examination of Product
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	Fracture Mechanics Plan	54-000148			Vibration Test
	Cleaning	CPP 3820	TANK CH	ARACTERISTICS (Metrics)	Bubble Point Test
			Operating Pressure, Bar	20.68 Total Volume, I 229.08	External Leak Test
	Notes:		Proof Pressure, Bar	25.85 Prop Volume, I	Radiographic Inspection
2 Betwerfortunk Roport, Tank 2013 <u>independent</u> <u>independen</u>	1: Tooling belongs to ATK.		Cryo Proof, Bar	NA Max Design Wt, Kg 11.66	Examination of Product
<text>     2) Browney Finder Weight, Singer Singer</text>	2: Stress/Fracture Report, Tank, 255		Burst Pressure, Bar	31.03 Minimum Wall, MM 0.432	Cleanliness Verification
<text>     4. feature time    Definition    Definition      1. source i    Single in the finition in the finitial state in the finition the finition in the finition in the finition in the fi</text>	3: Stress/Fracture Report, PMD, 251-	A			Data Review & Ship
<text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text>	4: Fracture Critical			FORGINGS	
Note Name   Statement Statement			FORGINGS P/N	SUPPLIER Die No	QUALIFICATION TESTS
<text><text><text><section-header><text><text><text><text></text></text></text></text></section-header></text></text></text>			80-390061-1		Examination of Product
<text><text></text></text>			RING FORGING	RING SIZE, Rough Machined	Bubble Point Test
<section-header><section-header><section-header><text><text><text><text></text></text></text></text></section-header></section-header></section-header>			80-390063-5, Cylinder 22.3	8+.12,030Dx20.93+.03,09IDx25.75+.25,00	Volume Determination
TITELE THE AND SIZE       Prove the first of the first o			TUD		Proof Pressure Test
Image: general sector (b)       Image: general sector (b)         Bolder General sector (b)       Bolder Se			I UB	E I TPE AND SIZE	Proof MEOP Pressure Cycle Life Test
vorting diama di			TITANIUM	SIZE	Pressure Drop & Expulsion Enciency Test
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Redergraphic & Pendend Inspection Burg Heave Test Data Review					External Leakage Test
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Other State Management					
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