Al² Market Report

Business Jet & Turboprop Aircraft - Volume 4, October 2022

STRONG OVERALL DEMAND CONTINUES

MONTHLY INCREASES RAISE 3Q INVENTORY OVER 11%

AVERAGE ASK PRICE RISES 75% YTD; MID-SIZE JETS UP 140% YTD

Welcome to the Al² Market Report from Asset Insight, LLC. This Report analyzed values for every production year of every modern make/model Business Class aircraft, and our September 30, 2022, maintenance analytics covered 134 fixed-wing models and 881 aircraft listed for sale.

Inventory has increased monthly since March (see page 2), but the average Ask Price (below) rose another 8.9% during 3Q to set a 12-month value peak; unlisted aircraft sales down substantively, although young, low-time inventory is still scarce

	3Q 2022	Y/Y Sep	YTD Sep 2022
Tracked Fleet Average	8.9%	53.8%	75.0%
Large Jets	4.4%	53.6%	34.2%
Mid-Size Jets	6.9%	60.2%	140.3%
Light Jets	11.9%	67.6%	91.8%
Turboprops	12.3%	33.6%	33.8%

Average demand* very strong and still near 1Q record-high; Mid-Size Jets post a gain

	3Q '21	4Q '21	1Q '22	2Q '22	3Q '22
Tracked Fleet Average	4.06	4.40	4.68	4.66	4.65
Large Jets	4.20	4.65	4.87	4.82	4.80
Mid-Size Jets	3.90	4.32	4.58	4.57	4.60
Light Jets	3.93	4.16	4.53	4.50	4.49
Turboprops	4.32	4.45	4.75	4.75	4.70

^{* &}lt;u>For available inventory aircraft</u>, based on Percentage of each Make/Model's active fleet listed for sale and its Days on Market; Scale: 0.00 (Lowest Demand) to 5.00 (Highest Demand)

Quality Rating marginally lower for the quarter, but improved Year-over-Year

	Sep 2022	3Q 2022	Y/Y Sep
Tracked Fleet Average	1.0%	-0.1%	1.1%
Large Jets	0.8%	1.6%	3.3%
Mid-Size Jets	1.8%	0.9%	-0.1%
Light Jets	1.2%	-0.1%	0.6%
Turboprops	0.2%	-2.9%	0.3%

At 5.303 on our scale of -2.5 (low) to 10 (high), the listed fleet Quality Rating remained within "Excellent" range, although Light Jets and Turboprops scored lower compared to 2Q.

Average Maintenance Exposure (cost of embedded/accrued maintenance) remained unchanged for the second consecutive quarter, but maintenance events are expected to be more expensive to complete for Mid-Size Jets and Turboprops compared to 2Q

	Sep 2022	3Q 2022	Y/Y Sep
Tracked Fleet Average	-2.3%	0.0%	3.4%
Large Jets	0.1%	-0.9%	1.0%
Mid-Size Jets	-2.9%	4.6%	9.5%
Light Jets	-8.3%	-4.8%	-1.0%
Turboprops	-3.3%	3.7%	-0.1%

> Inventory fleet's marketability (ETP Ratio) sets another 12-month best 52.7%

The latest Maintenance Exposure to Price Ratio ("ETP Ratio") decrease evidenced a marketability improvement for the listed fleet. An ETP Ratio over 40% represents excessive embedded maintenance in relation to Ask Price and hinders aircraft marketability (see page 2). <u>During 3Q</u>, <u>aircraft whose ETP Ratio was above 40% were listed for sale nearly 89% longer (on average) than aircraft whose ETP Ratio was below 40% (175 vs. 331 Days on Market). Average Days on Market decreased/improved 25% during 3Q to 227, the second consecutive historical low figure.</u>



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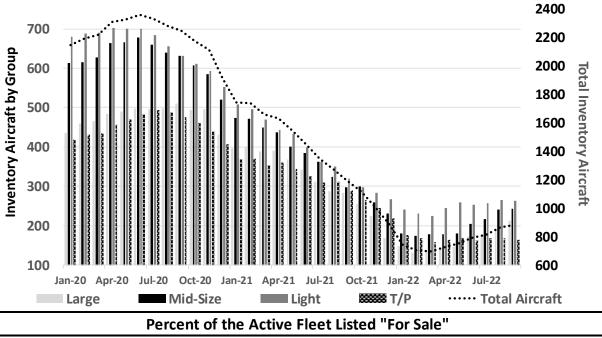
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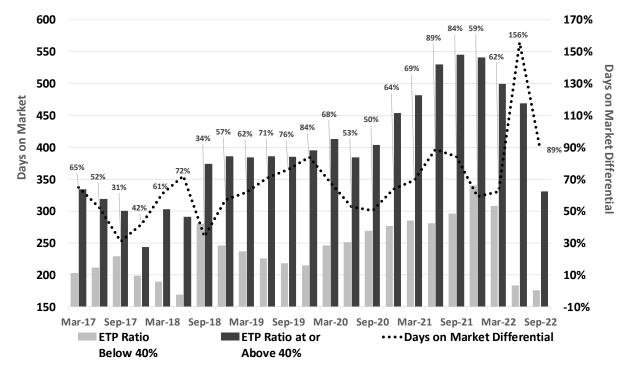
Tracked Inventory Fleet (Jan 2020 – Sep 2022)



	Percent of the Active Fleet Listed "For Sale"							
Sep '21:	5.2%	6.8%	5.7%	4.9%	5.6%			
Sep '22:	3.5%	4.5%	4.3%	3.2%	4.0%			

(Source: Jetnet LLC)

Aircraft average "Days on Market" differential based on ETP Ratio



(Source: Jetnet LLC; Asset Insight LLC)

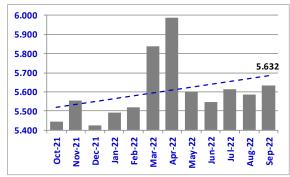


Business Jet & Turboprop Aircraft – Volume 4, October 2022

Large Jets

Asset Quality Rating

Scale -2.500 to 10.000

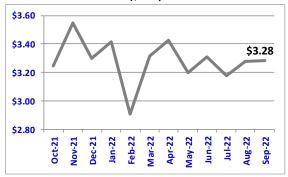


Asset Quality Rating Key

		Very			Below
Outstanding	Excellent	Good	Good	Average	Average
5.500	5.250	5.000	4.750	4.500	Less
or	to	to	to	to	than
Greater	5.499	5.249	4.999	4.749	4.500

Maintenance Exposure*

(\$ Mil)

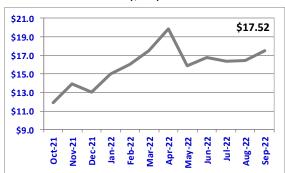


Maintenance Exposure - Reference Points

12-month Figures \$ Millions			Historical Figures \$ Millions			
Worst	Average	Best	Worst	Best		
\$3.55	\$3.28	\$2.91	\$3.76	\$2.58		
	* The accrued cost of future scheduled maintenance					

Average Ask Price

(\$ Mil)



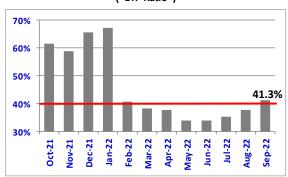
Ask Price - Reference Points

12-month Figures			Historical Figures		
\$ Millions			\$ Millions		
Highest	Average	Lowest	Highest	Lowest	
\$19.86	86 \$15.86 \$11.91		\$19.86	\$9.99	

Source: Jetnet (www.jetnet.com)

Maintenance Exposure to Ask Price Ratio

("ETP Ratio")



Importance of the ETP Ratio

- As the ETP Ratio decreases, the aircraft's "value" increases (in relation to its Ask Price)
- Aircraft whose ETP Ratio is above 40% are burdened, on average, with excessive Maintenance Exposure

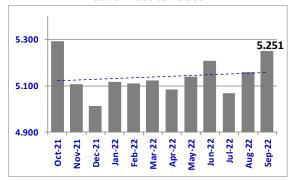
	Maintena	ance Exp	osure to Ask Price	Ratio ("ET	P Ratio")	& Days on Mar	ket	
		Days on			Days on			Days on
Model	ETP Ratio	Market	Model	ETP Ratio	Market	Model	ETP Ratio	Market
Bombardier			Bombardier			Embraer		
Boeing BBJ	13.9%	461	CL-601-3A	96.9%	155	Legacy 650	12.5%	307
Bombardier			CL-601-1A	125.6%	89	Gulfstream		
CL-650	3.1%	59	Dassault			G500	2.4%	92
Global 6000	8.7%	116	F8X	3.6%	22	G 650ER	5.7%	102
CL-605	12.5%	59	F2000LX	8.1%	76	G650	7.0%	108
Global XRS	23.5%	493	F7X	10.7%	78	G550	19.2%	73
Global Express	23.7%	399	F900EX EASy	14.8%	81	GV	37.6%	197
Global 5000	24.5%	242	F900EX	16.7%	188	GIV-SP	58.6%	80
CL-604	36.7%	61	Falcon2000EX Easy	19.3%	351	GIV	64.5%	87
CL-601-3R	59.5%	82	F900B	22.7%	193	GIV-SP (MSG3)	66.6%	80
			Falcon 2000	29.7%	134	G-III	284.6%	844



Mid-Size Jets

Asset Quality Rating

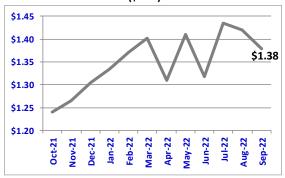
Scale -2.500 to 10.000



Asset Quality Rating Key Very **Below** Outstanding Excellent Good Good Average Average 5.500 5.250 5.000 4.750 4.500 Less to to to to than 5.499 5.249 4.999 4.749 4.500 Greater

Maintenance Exposure*

(\$ Mil)

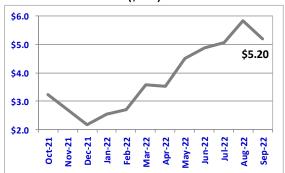


Maintenance Exposure - Reference Points

12-month Figures \$ Millions			Historical Figures \$ Millions		
Worst	Average	Best	Worst	Best	
\$1.43	\$1.35	\$1.24	\$1.70	\$0.85	
* The accrued cost of future scheduled maintenance					

Average Ask Price

(\$ Mil)



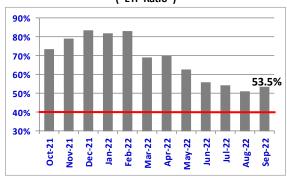
Ask Price - Reference Points

12-month Figures			Historical Figures		
\$ Millions			\$ Millions		
Highest	Average	Lowest	Highest	Lowest	
\$5.83	\$3.83	\$2.17	\$5.83	\$2.17	

Source: Jetnet (www.jetnet.com)

Maintenance Exposure to Ask Price Ratio

("ETP Ratio")



Importance of the ETP Ratio

- As the ETP Ratio decreases, the aircraft's "value" increases (in relation to its Ask Price)
- Aircraft whose ETP Ratio is above 40% are burdened, on average, with excessive Maintenance Exposure

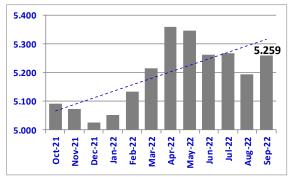
	Maintena	ance Exp	osure to Ask Price I	Ratio ("ET	P Ratio")	& Days on Market	t	
		Days on			Days on			Days on
Model	ETP Ratio	Market	Model	ETP Ratio	Market	Model	ETP Ratio	Market
Bombardier			Cessna			Hawker		
Challenger 350	5.1%	49	Citation Sovereign 680	15.2%	65	Hawker 4000	20.5%	614
Challenger 300	19.1%	62	Citation XLS	19.1%	54	Hawker 900XP	22.3%	74
Learjet 60XR	25.2%	113	Citation Excel 560XL	31.4%	54	Hawker 850XP	22.7%	63
Learjet 40XR	33.9%	103	Citation X (MSG3)	63.2%	96	Hawker 400XP	30.4%	99
Learjet 40	56.3%	36	Dassault			Hawker 800XP	40.0%	126
Learjet 60	66.2%	207	Falcon 50EX	19.3%	377	Hawker 1000A	55.7%	269
Learjet 55	149.5%	986	Falcon 50	48.8%	207	Hawker 800A	69.4%	210
Cessna			Falcon 20-5	149.7%	687	Hawker Beechjet 400A	69.5%	705
Citation Sovereign +	4.6%	18	Gulfstream			Hawker Beechjet 400	112.5%	160
Citation XLS (MSG3)	14.5%	54	G280	3.3%	39	Hawker 125-700A	269.9%	239
			G-200	29.2%	64			



Light Jets

Asset Quality Rating

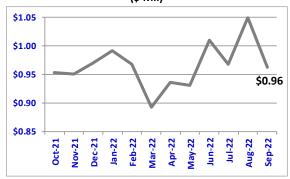
Scale -2.500 to 10.000



Asset Quality Rating Key								
		Very			Below			
Outstanding	Excellent	Good	Good	Average	Average			
5.500	5.250	5.000	4.750	4.500	Less			
or	to	to	to	to	than			
Greater	5.499	5.249	4.999	4.749	4.500			

Maintenance Exposure*

(\$ Mil)

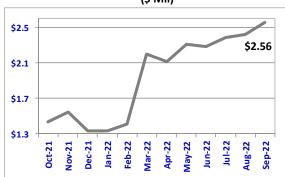


Maintenance Exposure - Reference Points

12-r	nonth Fig	ures	Historical Figures		
\$ Millions			\$ Millions		
Worst	Average	Best	Worst	Best	
\$1.05	\$0.97	\$0.89	\$1.07	\$0.57	
* The accrued cost of future scheduled maintenance					

Average Ask Price

(\$ Mil)



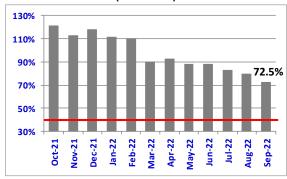
Ask Price -	Reference	Points
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12-1	month Figu	ıres	Historical Figures		
\$ Millions			\$ Millions		
Highest	Average	Lowest	Highest	Lowest	
\$2.56	\$1.94	\$1.33	\$2.56	\$1.44	

Source: Jetnet (www.jetnet.com)

Maintenance Exposure to Ask Price Ratio

("ETP Ratio")



Importance of the ETP Ratio

- As the ETP Ratio decreases, the aircraft's "value" increases (in relation to its Ask Price)
- Aircraft whose ETP Ratio is above 40% are burdened, on average, with excessive Maintenance Exposure

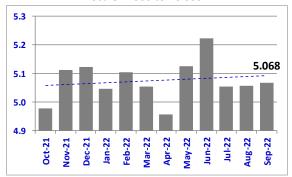
Maintenance Exposure to Ask Price Ratio ("ETP Ratio") & Days on Market									
		Days on			Days on			Days on	
Model	ETP Ratio	Market	Model	ETP Ratio	Market	Model	ETP Ratio	Market	
Beechcraft			Cessna			Cessna			
Premier 1A	37.2%	125	Citation CJ4 525C	12.0%	71	Citation CJ1	56.4%	175	
Premier 1	40.2%	99	Citation CJ3	14.9%	48	Citation Bravo	78.7%	137	
Bombardier			Citation Encore	17.9%	25	Citation II	98.8%	846	
Learjet 31A	94.8%	996	Citation CJ2	30.0%	293	Citation ISP	117.4%	333	
Learjet 35A	178.4%	404	Citation CJ2+ 525A	22.6%	365	Citation III	139.2%	437	
Cessna			Citation Mustang 510	36.0%	220	Embraer			
Citation CJ3+	5.3%	97	Citation V Ultra	37.7%	117	Phenom 300	10.1%	69	
Citation Encore +	- 11.4%	164	Citation VI	53.5%	32	Phenom 100	35.5%	107	



Turboprops

Asset Quality Rating

Scale -2.500 to 10.000

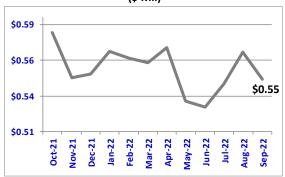


Asset Quality Rating Key

		Very			Below
Outstanding	Excellent	Good	Good	Average	Average
5.500	5.250	5.000	4.750	4.500	Less
or	to	to	to	to	than
Greater	5.499	5.249	4.999	4.749	4.500

Maintenance Exposure*

(\$ Mil)

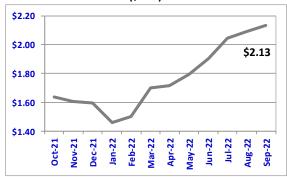


Maintenance Exposure - Reference Points

12-r	nonth Fig S Millions		Historical Figures \$ Millions		
Worst	Average	Best	Worst	Best	
\$0.58	\$0.55	\$0.53	\$0.70	\$0.44	
* The accrued cost of future scheduled maintenance					

Average Ask Price

(\$ Mil)



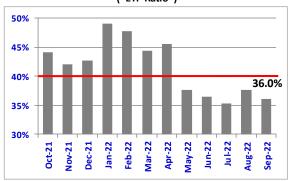
Ask Price - Reference Points

12-1	month Figu	ıres	Historical Figures		
\$ Millions			\$ Millions		
Highest	Average	Lowest	Highest	Lowest	
\$2.13	\$1.76	\$1.46	\$2.13	\$1.40	

Source: Jetnet (www.jetnet.com)

Maintenance Exposure to Ask Price Ratio

("ETP Ratio")



Importance of the ETP Ratio

- As the ETP Ratio decreases, the aircraft's "value" increases (in relation to its Ask Price)
- Aircraft whose ETP Ratio is above 40% are burdened, on average, with excessive Maintenance Exposure

Maintenance Exposure to Ask Price Ratio ("ETP Ratio") & Days on Market								
		Days on			Days on			Days on
Model	ETP Ratio	Market	Model	ETP Ratio	Market	Model	ETP Ratio	Market
Beechcraft			Cessna			Piaggio		
King Air 350i	9.7%	178	Caravan 208-675	11.3%	341	Piaggio P-180 II	36.0%	533
KingAir 350 - Post-2000	10.0%	373	Caravan Grand 208B	28.0%	657	Piaggio P-180	53.4%	915
KingAir 350 - Pre-2001	14.1%	373	Daher - Socata			Pilatus		
KingAir B-200 - Post-2000	22.0%	211	TBM 850	21.0%	75	Pilatus PC-12	14.5%	110
KingAir B-200 - Pre-2001	34.2%	211	TBM 700A	57.8%	359	Piper		
KingAir 300	44.2%	138				Piper Meridian	19.3%	141
KingAir C90	135.3%	793				_		



Aircraft analyzed – maintenance analytics

Following is a list of the aircraft models researched to produce this Market Report's maintenance analytics:

<u>Large Jets</u>	<u>Mid-Size Jets</u>	<u>Light Jets</u>	<u>Turboprops</u>
Beechcraft-Hawker:			
	Beechjet 400	Premier 1	King Air C90
	Beechjet 400A	Premier 1A	King Air B-200
	Hawker 400XP		King Air 300
	Hawker 700 Series		King Air 350
	Hawker 800 Series		• B-1900C
	Hawker 900 Series		
	Hawker 1000A		
Boeing:			
• BBJ			
Bombardier:			
• CL-601-1A; 3A; -3R; -SE	Challenger 300; 350	Learjet 31; 31A	
• CL-604	Learjet 40; 40XR	Learjet 35; 35A	
• CL-605; 650	 Learjet 45; 45 w/APU; 45XR 		
 Global 5000; 6000; 6500 	 Learjet 55-55A; 55C 		
 Global Express 	 Learjet 60; 60XR 		
 Global XRS 	 Learjet 70; 75 		
Cessna:			
 Citation Latitude 	Citation Excel	Citation CJ1+	
	Citation Sovereign	Citation CJ2	
	Citation VI	Citation CJ3	
	Citation X (MSG3)	Citation CJ4	
	 Citation XLS; XLS (MSG3) 	Citation Bravo	
	Citation XLS+ (MSG3)	Citation Encore; Encore +	
		Citation I-SP	
		Citation II	
		Citation Mustang	
		Citation V; Citation V Ultra	
Daher Socata:			
			• TBM 700; 850; 930
Dassault Falcon Jet:			• TBM 700; 850; 930
	• Falcon 20-5		• TBM 700; 850; 930
Dassault Falcon Jet:	• Falcon 20-5 • Falcon 50		• TBM 700; 850; 930
Dassault Falcon Jet: • F2000	•		• TBM 700; 850; 930
Dassault Falcon Jet: F2000 F2000EX; F2000EX Easy	Falcon 50		• TBM 700; 850; 930
Dassault Falcon Jet:	Falcon 50		• TBM 700; 850; 930
Dassault Falcon Jet:	Falcon 50		• TBM 700; 850; 930
Dassault Falcon Jet:	Falcon 50		• TBM 700; 850; 930
Dassault Falcon Jet:	Falcon 50	• Eclipse 500	• TBM 700; 850; 930
Dassault Falcon Jet:	Falcon 50	• Eclipse 500	• TBM 700; 850; 930
Dassault Falcon Jet:	Falcon 50	• Eclipse 500 • Phenom 100	• TBM 700; 850; 930
Dassault Falcon Jet:	Falcon 50	·	• TBM 700; 850; 930
Dassault Falcon Jet:	Falcon 50	Phenom 100	• TBM 700; 850; 930
Dassault Falcon Jet:	Falcon 50	Phenom 100	• TBM 700; 850; 930
Dassault Falcon Jet: F2000 F2000EX; F2000EX Easy F2000DX; F2000LX F900; F900B; F900C F900EX; F900EX Easy F900DX; F900LX Eclipse: Embraer: Legacy 600 Gulfstream:	• Falcon 50 • Falcon 50EX	Phenom 100	• TBM 700; 850; 930
Dassault Falcon Jet:	• Falcon 50 • Falcon 50EX • G-100	Phenom 100	• TBM 700; 850; 930
Dassault Falcon Jet:	• Falcon 50 • Falcon 50EX • G-100 • G-150	Phenom 100	• TBM 700; 850; 930
Dassault Falcon Jet:	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	Phenom 100	• TBM 700; 850; 930
Dassault Falcon Jet:	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	Phenom 100	• TBM 700; 850; 930
Dassault Falcon Jet:	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	Phenom 100	• TBM 700; 850; 930
Dassault Falcon Jet: F2000 F2000EX; F2000EX Easy F2000DX; F2000LX F900; F900B; F900C F900EX; F900EX Easy F900DX; F900EX Easy F900DX; F900LX Eclipse: Embraer: Legacy 600 Gulfstream: GIV-SP & GIV-SP (MSG3) GV G300; G350 G400; G450 G500; G550 G650; G650ER	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	Phenom 100	• TBM 700; 850; 930
Dassault Falcon Jet:	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	Phenom 100	
Dassault Falcon Jet: F2000 F2000EX; F2000EX Easy F2000DX; F2000LX F900; F900B; F900C F900EX; F900EX Easy F900DX; F900LX Eclipse: Embraer: Legacy 600 Gulfstream: GIV-SP & GIV-SP (MSG3) GV G300; G350 G400; G450 G500; G550 G650; G650ER Piaggio:	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	Phenom 100	• TBM 700; 850; 930
Dassault Falcon Jet: F2000 F2000EX; F2000EX Easy F2000DX; F2000LX F900; F900B; F900C F900EX; F900EX Easy F900DX; F900EX Easy F900DX; F900EX Eclipse: Embraer: Legacy 600 Gulfstream: GIV-SP & GIV-SP (MSG3) GV G300; G350 G400; G450 G500; G550 G650; G650ER	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	Phenom 100	• P-180; P180 II
Dassault Falcon Jet:	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	Phenom 100	
Dassault Falcon Jet: F2000 F2000EX; F2000EX Easy F2000DX; F2000LX F900; F900B; F900C F900EX; F900EX Easy F900DX; F900EX Easy F900DX; F900LX Eclipse: Embraer: Legacy 600 Gulfstream: GIV-SP & GIV-SP (MSG3) GV G300; G350 G400; G450 G500; G550 G650; G650ER Piaggio:	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	Phenom 100	• P-180; P180 II



Analysis Methodology – Maintenance Analytics

Asset Insight, LLC has developed a proprietary **Asset Grading System Process**TM (AGSP) that <u>objectively</u> evaluates assets relative to their Optimal Maintenance Condition and provides an easy-to-understand, uniform, yet robust, set of data that can be acted upon, on a timely basis, to protect and/or enhance an asset's financial performance.

The AGSP is based on patented algorithms analyzing current age, the hours and cycles on an aircraft's Major Sectors – airframe, engine(s), propeller(s), APU, paint, and interior – as well as the cost to repair or replace parts with no defined life. The AGSP derives an index (the "Asset Insight Index") providing an objective measure of an aircraft's current maintenance status and its related Financial Exposure going forward (the financial liability accrued with respect to future scheduled maintenance events).

The Asset Insight Index is comprised of three factors that evaluate two aspects of an aircraft's maintenance, its **Asset Quality Rating** and its **Maintenance Exposure Value**. The Asset Quality Rating is computed by averaging the aircraft's **Maintenance Rating** and **Financial Rating**, while the Maintenance Exposure Value measures an aircraft's accrued / consumed financial liability with respect to future scheduled maintenance events, presenting such information in financial terms.

Asset Quality Rating and the Factors Comprising the "Asset Insight Index"

Asset Quality Rating

The Asset Quality Rating allows any aircraft's maintenance status to be directly compared to any other aircraft's maintenance status, by virtue of the Asset Insight standardized scale. The Asset Quality Rating is computed by averaging the aircraft's Maintenance Rating ("ATC Score") and Financial Rating ("ATFC Score") – explained in the following two sections, and is based on a scale ranging from -2.500 to 10.000, the latter reflecting a newly produced aircraft (see scale below).

-2.500 – 2.000	3.000	4.000 – 6.000	7.000	8.000 - 10.000
•	D. 1. 19	AA 6	V 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	F 11 1 1 11
Poor	Below average asset quality	Most aircraft will Score within	Very good asset quality	Exceptional asset quality
Asset	due to upcoming scheduled	this range, representing good	(usually associated with	(typical of new, or nearly
Quality	maintenance	asset quality	recent production aircraft)	new, production aircraft)

● Maintenance Rating – Asset Technical Condition Score ("ATC Score")

The "Asset Technical Condition Score" ("ATC Score") utilizes the Asset Grading System Process™ developed by Asset Insight, Inc. to objectively evaluate and grade an aircraft's maintenance status, on a standardized scale, relative to its Optimal Maintenance Condition (achieved on the day it came off the production line), utilizing the aircraft's (standard/typical) Scheduled Maintenance Program. The ATC Score is based on a scale ranging from -5.000 to 10.000, the latter reflecting a newly produced aircraft (see scale below).

-5.000 – 2.000	3.000	4.000 – 6.000	7.000	8.000 - 10.000
Poor Asset Quality	Below average asset quality due to upcoming, heavy, scheduled maintenance	Most aircraft will Score within this range, representing good asset quality	Very good asset quality (usually associated with recent production aircraft)	Exceptional asset quality (typical of new, or nearly new, production aircraft)

② Financial Rating – Asset Technical Financial Condition Score ("ATFC Score")

The "Asset Technical Financial Condition Score" ("ATFC Score") evaluates and grades the Aircraft's financial rating relative to its Optimal Maintenance Condition based on the Aircraft's ATC Score (see Maintenance Rating above). The ATFC Score is based on a scale from 0.000 to 10.000, the latter reflecting a newly produced aircraft (see scale below).

0.000	3.000	4.000 – 6.000	7.000	8.000 – 10.000
All scheduled	Aircraft with upcoming,	Most aircraft will Score within	Aircraft facing relatively	New or recently
maintenance	high cost, scheduled	this maintenance status cost	low-cost maintenance	manufactured
events due	maintenance events	range	events	aircraft



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To score each aircraft make/model, the average cost for completing each maintenance event comprising the ATC Maintenance Program is determined. Having compiled the aircraft's maintenance history, the time (calendar, flight hours or cycles) accumulated toward each individual scheduled/anticipated maintenance event is used to determine the aircraft's ATFC Score.

The Financial Rating (ATFC Score) differs from the Maintenance Rating (ATC Score). While the ATC Score evaluates and grades an aircraft's maintenance status relative to its Optimal Maintenance Condition, the ATFC Score grades an aircraft's financial condition relative to its Optimal Maintenance Condition, meaning the ATFC Score is weighted by the estimated cost to complete each maintenance event. Accordingly, the Maintenance Rating is likely to differ from the Financial Rating.

For example, if an aircraft had only two maintenance components, and if one component was three-quarters of the way toward its overhaul while the second was one-quarter of the way toward its overhaul, their combined ATC Score would be 5.000, based on the following calculation: $(75\% + 25\%) / 2 \times Perfect Score (10.000) = 5.000$.

However, if the first of these components has an overhaul cost of \$1,000, while the second has an overhaul cost of \$10,000, their combined ATFC Score would be 2.955 (see below).

	Remaining Useful Life	Overhaul Cost	Remaining Financial Value
Component #1	75%	\$1,000	\$750
Component #2	25%	<u>\$10,000</u>	<u>\$2,500</u>
		<u>\$11,000</u>	<u>\$3,250</u>

ATFC Score Calculation Methodology

Aircraft's Financial Ratio (\$3,250 / \$11,000) X Perfect Score (10.000) = 2.955

Maintenance Exposure – Asset Technical Financial Exposure Value ("ATFE Value")

The "Asset Technical Financial Exposure Value" ("ATFE Value") measures the aircraft's financial exposure based on its maintenance condition – the liability accrued / consumed with respect to future scheduled maintenance events – and presents this information in financial terms, as follows:

Max \$ Exposure for Make/Model

\$0 Maintenance Exposure

Maintenance financial exposure equal to the cost of one cycle for each Scheduled Maintenance event Typical aircraft maintenance cost exposure range

Newly manufactured aircraft

To derive an aircraft's ATFE Value, the estimated cost for completing each event comprising the ATC Maintenance Program has been established. Having compiled an aircraft's maintenance history, the time (flight hours, landings/cycles, and/or calendar period) accumulated toward each individual scheduled/anticipated maintenance event is used to compute the dollar liability accrued toward that event, with the ATFE Value representing the total accrued liability toward future maintenance events.

Ask Price vs. Maintenance Exposure to Ask Price Ratio ("ETP Ratio") Graph

The graph displays the relationship between each aircraft group's "Maintenance Exposure to Ask Price" Ratio (the ATFE Value divided by the Average Ask Price) and the Average Ask Price. In general, as aircraft Ask Prices rise, the Ratio should decrease — all other factors being equal. However, the Ratio's relationship to Ask Price is not an absolute inverse correlation. Aircraft with a greater or lesser maintenance-related Financial Exposure, but with the same Ask Price, may replace aircraft listed "for sale" during any given month. Accordingly, it is possible for both the Ratio and the Ask Price lines to move in the same direction.



Maintenance Exposure to Ask Price Ratio ("ETP Ratio")

The Maintenance Exposure to Ask Price Ratio ("ETP Ratio") is calculated by dividing the aircraft's Maintenance Exposure (the financial liability accrued with respect to future scheduled maintenance events) by its Ask Price. Accordingly, as the ETP Ratio decreases, the aircraft's "value" increases (in relation to its Ask Price). Aircraft whose ETP Ratio is 40% or greater are believed to have accrued an excessive level of Maintenance Exposure in relation to their Ask Price. ETP Ratios are only available in cases where a statistically significant sample of aircraft Ask Price and maintenance status can be derived for a specific Make / Model.

General Information

Asset Insight, LLC (www.assetinsight.com) provides asset evaluation and financial optimization services. The company's "Asset Grading System Standard," and related analyses, provides the ability to translate the asset's technical condition into easy-to-understand, actionable financial information. Asset Insight is independent of any manufacturer, appraisal firm, financial services firm, or technical services facility, enabling it to provide an unbiased view of an asset's condition with respect to its technical status and related financial exposure. The company is managed by business, technical and financial professionals with significant experience in aviation asset management.

The analytics in this document are not intended to represent a technical evaluation of any Aircraft. Further, the reader, or any party using information contained in this Report, should recognize that this Report is limited in scope, and that discrepant conditions may exist in any one or more analyzed aircraft that were not known by Asset Insight, LLC.

The Asset Insight Index and its components are based upon the aircraft maintenance condition information reviewed by Asset Insight, LLC as of a certain date. Running any analytics on any aircraft utilizing a different date, revised maintenance data and/or utilization figures will likely generate different results.

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