Al² Market Report

Business Jet & Turboprop Aircraft – Volume 1, January 2022

RECORD HIGH DEMAND DURING Q4; 8.4% ABOVE Q3

INVENTORY DROPS 54% Y/Y TO ALL-TIME LOW 4.1%

DESIRABLE ASSETS SELL QUICKLY WITH TRANSACTION VALUES MEETING OR EXCEEDING ASK PRICE

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 December 31, 2021, maintenance analytics covered 134 fixed-wing models and 884 aircraft listed for sale.

Posted Ask Price for limited, heavily picked-over, aging fleet decreases to record low figure. Younger, low-time aircraft sell quickly, often without 'for sale' listing, and at Transaction Value meeting, or exceeding, Ask Price.

	Dec 2021	4Q 2021	Y/Y Dec
Tracked Fleet Average	-18.7%	-17.5%	-18.9%
Large Jets	-6.5%	14.5%	11.5%
Mid-Size Jets	-20.1%	-33.3%	-30.4%
Light Jets	-13.6%	-12.6%	-24.3%
Turboprops	-0.6%	-0.1%	-0.3%

> Demand* reaches another record high level for all aircraft groups

	Q4 '20	Q1 '21	Q2 '21	Q3 '21	Q4 '21
Tracked Fleet Average	2.27	2.27	2.42	4.06	4.40
Large Jets	2.99	2.83	2.89	4.20	4.65
Mid-Size Jets	2.29	2.35	2.71	3.90	4.32
Light Jets	1.71	1.82	1.80	3.93	4.16
Turboprops	2.05	2.00	1.98	4.32	4.45

^{*} For available inventory aircraft, 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)

> Inventory posts three consecutive monthly low Quality Rating figures during Q4

	Dec 2021	4Q 2021	Y/Y Dec
Tracked Fleet Average	-0.8%	-1.9%	-3.8%
Large Jets	-2.3%	-0.5%	-4.5%
Mid-Size Jets	-1.9%	-4.6%	-6.5%
Light Jets	-1.0%	-3.8%	-2.4%
Turboprops	0.2%	1.4%	-2.4%

The overall Quality Rating worsened (decreased) to 5.146 on our scale of -2.5 (low) to 10 (high). Inventory remained within 'Very Good' territory, but carries more near-term maintenance events.

<u>Listed fleet's Maintenance Exposure (cost of embedded/accrued maintenance)</u> increases (worsens) signifying maintenance events will cost more to complete

	Dec 2021	4Q 2021	Y/Y Dec
Tracked Fleet Average	7.0%	2.7%	6.0%
Large Jets	-7.0%	1.6%	8.7%
Mid-Size Jets	3.1%	3.6%	3.1%
Light Jets	2.1%	-0.1%	-7.7%
Turboprops	0.5%	0.6%	7.8%

Picked over inventory fleet's marketability (ETP Ratio) at record-worst (high) 81%

The current ETP Ratio statistically evidences the difficulty aging aircraft sellers are encountering remarketing their asset, and the reason why the listed fleet's Days on Market increased 11% during Q4. Statistics demonstrate that any ETP Ratio over 40% represents excessive embedded maintenance in relation to Ask Price and hinders an aircraft's marketability (see chart on page 2). During Q4, aircraft whose ETP Ratio was 40% or higher were listed for sale more than 59% longer (on average) than aircraft whose ETP Ratio was below 40% (340 vs. 541 Days on Market).



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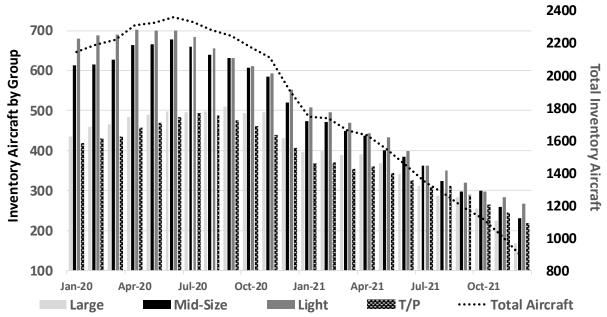
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To obtain a FREE current value for any aircraft, by specific Serial Number, using Asset Insight's eValues™ System, please visit our website

www.assetinsight.com

To discuss Asset Insight's services, or schedule an eValues™ System demo, please call us at (540) 905-4555

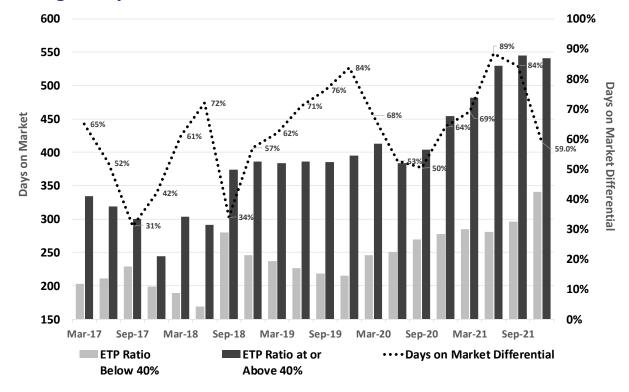
Tracked Inventory Fleet (Jan 2020 – Dec 2021)



Percent of the Active Fleet Listed "For Sale"					
Dec '20:	8.0%	10.7%	9.6%	6.9%	9.2%
Dec '21:	3.5%	4.9%	4.0%	3.9%	4.1%

(Source: Jetnet LLC)

Average "Days on Market" Differential based on ETP Ratio



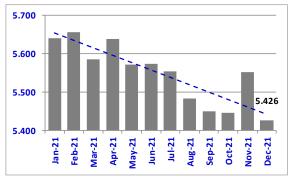
(Source: Jetnet LLC; Asset Insight LLC)



Large Jets

Asset Quality Rating

Scale -2.500 to 10.000

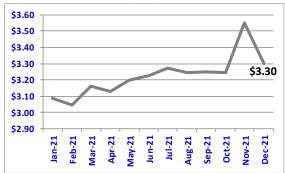


Asset Quality Rating Key

		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)

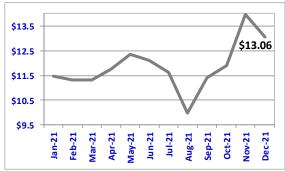


Maintenance Exposure - Reference Points

12-month Figures \$ Millions				l Figures llions	
Worst	Average	Best	Worst	Best	
\$3.55	\$3.23	\$3.05	\$3.76 \$2.58		
* The accrued cost of future scheduled maintenance					

Average Ask Price

(\$ Mil)



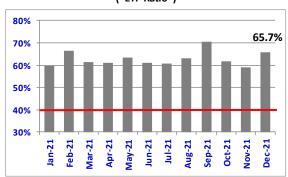
Ask Price - Reference Points

12-month Figures			Historical Figures	
\$ Millions			\$ Mil	lions
Highest	Average	Lowest	Highest	Lowest
\$13.96	\$11.85	\$9.99	\$16.61	\$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

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
Boeing			Dassault			Gulfstream		
Boeing BBJ	15.0%	296	F2000LXS	6.0%	270	G650ER	2.8%	65
Bombardier			F900EX EASy	13.7%	108	G500	3.0%	248
Global 6000	6.7%	441	F900EX	19.8%	439	G550	31.7%	187
Global XRS	29.2%	418	F900B	37.4%	130	GV	37.7%	329
Global 5000	40.8%	448	Falcon 2000	55.0%	322	GIV-SP	89.9%	174
CL-604	65.6%	316	Embraer			GIV	109.3%	174
CL-601-3A	138.9%	670	Legacy 650	14.9%	333	GIII	316.8%	852
CL-601-1A	352.3%	783	Legacy 600	32.6%	808			

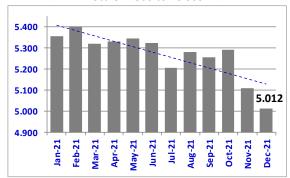
Ask Price and Days on Market source: Jetnet (www.jetnet.com)



Mid-Size Jets

Asset Quality Rating

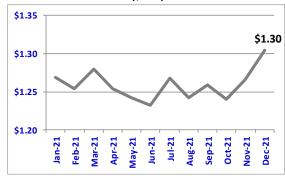
Scale -2.500 to 10.000



Asset Quality Rating Key					
		Very			Below
Outstanding	Excellent	Good	Good	Average	Average
5.500	5.250	5.000	4.750	4.500	Less
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			al Figures Ilions	
Worst	Average	Best	Worst	Best
\$1.30 \$1.26 \$1.23 \$1.70 \$0.85				\$0.85
* The accrued cost of future scheduled maintenance				

Average Ask Price

(\$ Mil)



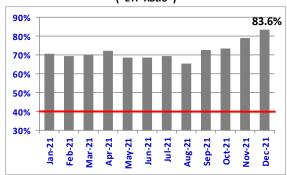
Ask Price - Re	ference Points
Figures	Historica

12-month Figures			Historical Figures		
\$ Millions			\$ Millions		
Highest	Average	Lowest	Highest	Lowest	
\$3.25	\$2.91	\$2.17	\$4.80	\$2.17	

Source: Jetnet (www.jetnet.com)

Maintenance Exposure to Ask Price Ratio

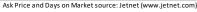
("ETP Ratio")



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 Pr	ice Ratio ("ET	P Ratio")	& Days on Market	:	
		Days on			Days on			Days on
Model	ETP Ratio	Market	Model	ETP Ratio	Market	Model	ETP Ratio	Market
Bombardier			Cessna			Hawker		
Learjet 40	40.1%	216	Citation VII	64.1%	685	Hawker 4000	33.1%	486
Learjet 45 w/APU	83.9%	549	Citation VI	120.2%	959	Hawker 850XP	35.2%	348
Learjet 60	90.8%	325	Dassault			Hawker 400XP	41.5%	664
Learjet 55	158.0%	894	Falcon 50	91.8%	229	Hawker 800XP	68.8%	368
Cessna			Falcon 20-5	109.6%	442	Hawker Beechjet 400A	74.5%	735
Citation Sovereign 680	14.9%	185	Gulfstream			Hawker Beechjet 400	82.3%	704
Citation X (MSG3)	40.3%	107	G-150	16.2%	190	Hawker 1000A	100.1%	1283
Citation Excel 560XL	54.4%	143	G-200	57.7 %	323	Hawker 800A	120.9%	1601
			G-100	120.2%	117	Hawker 125-700A	287.4%	290

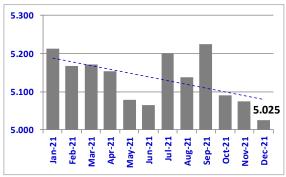




Light Jets

Asset Quality Rating

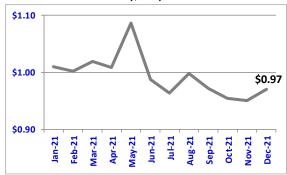
Scale -2.500 to 10.000



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)

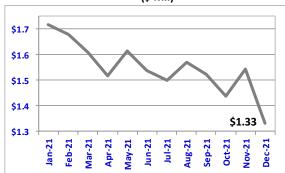


Maintenance Exposure - Reference Points

12-month Figures			Historical Figures			
\$ Millions			\$ Millions			
Worst	Average	Best	Worst	Best		
\$1.09	\$0.99	\$0.95	\$1.07 \$0.57			
* The accrued cost of future scheduled maintenance						

Average Ask Price

(\$ Mil)



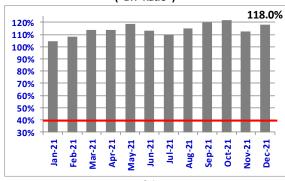
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12-month Figures			Historical Figures		
\$ Millions			\$ Millions		
Highest	Average	Lowest	Highest	Lowest	
\$1.72	\$1.55	\$1.33	\$2.21	\$1.44	

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

Beechcraft			Cessna			Cessna	
Model	ETP Ratio	Market	Model	ETP Ratio	Market	Model	ETP Ratio
		Days on			Days on		
	iviaiiiteiiai	lice Expo	Suie to Ask	Price Ratio (Er	r nauo	j & Days Ui	i iviai ket

Beechcraft		
Premier 1A	73.5%	466
Premier 1	91.8%	392
Bombardier		
Learjet 31A	112.2%	652
Learjet 31	204.1%	733
Learjet 35A	229.2%	589

		Days on
Model	ETP Ratio	Market
Cessna		
Citation CJ4 525C	9.6%	57
Citation Encore +	18.9%	308
Citation CJ2+ 525A	23.6%	265
Citation Mustang 510	28.5%	397
Citation Encore	34.9%	40
Citation CJ2	44.0%	576
Citation V Ultra	45.5%	191
Citation CI1	61 0%	602

Maintonance Exposure to Ask Price Patio ("ETD Patio") & Days on Market

		Days on
Model	ETP Ratio	Market
Cessna		
Citation V 560	124.9%	725
Citation ISP	137.3%	574
Citation II	137.5%	755
Citation III	179.7%	594
Citation Bravo	216.1%	272
Embraer		
Phenom 300	13.3%	441
Phenom 100	36.4%	400

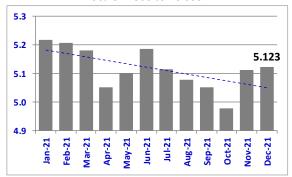
 $Ask\,Price\,and\,Days\,on\,Market\,source; Jetnet\,(www.jetnet.com)$



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)

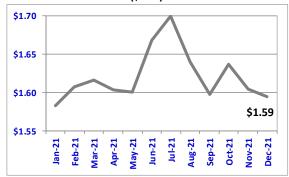


Maintenance Exposure - Reference Points

12-month Figures \$ Millions		Historical Figures \$ Millions			
Worst	Average	Best	Worst	Best	
\$0.58	\$0.54	\$0.51	\$0.70	\$0.44	
* The accrued cost of future scheduled maintenance					

Average Ask Price

(\$ Mil)



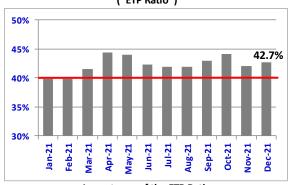
Ask Price - Reference Points

12-month Figures			Historical Figures		
\$ Millions			\$ Millions		
Highest	Average	Lowest	Highest	Lowest	
\$1.70	\$1.62	\$1.58	\$1.97	\$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

	Maintenai	nce Expo	osure to Ask Price	Ratio ("ETF	Ratio")	& Days on Mark	et	
		Days on			Days on			Days on
Model	ETP Ratio	Market	Model	ETP Ratio	Market	Model	ETP Ratio	Market
Beechcraft			Cessna			Piaggio		
King Air 350i	14.4%	205	Caravan 208-675	22.7%	552	Piaggio P-180 II	29.7%	430
KingAir B-200 - Post-2000	30.9%	440	Caravan Grand 208B	33.4%	650	Piaggio P-180	109.3%	927
KingAir 350 - Post-2000	31.4%	391	Caravan 208	49.3%	552	Pilatus		
KingAir 350 - Pre-2001	40.5%	391	Daher - Socata			Pilatus PC-12	16.7%	774
KingAir 300	44.0%	464	TBM 850	23.0%	248	Piper		
KingAir B-200 - Pre-2001	48.3%	440	TBM 700A	66.2%	379	Piper Meridian	18.7%	351
KingAir C90	93.6%	1059						

 ${\sf Ask\,Price\,and\,Days\,on\,Market\,source:}\, {\sf Jetnet\,(www.jetnet.com)}$



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	Learjet 31	
• CL-604	Learjet 45; 45 w/APU	Learjet 35A	
• CL-605	Learjet 45XR		
Global 5000	Learjet 55-55A		
 Global Express 	 Learjet 55C 		
 Global XRS 	 Learjet 60 		
	 Learjet 60XR 		
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	
		611 11 14 611 11 14111	
		Citation V; Citation V Ultra	
Daher Socata:		Citation V; Citation V Ultra	
Daher Socata:		Citation V; Citation V Ultra	• TBM 700; 850; 930
		Citation V; Citation V Ultra	• TBM 700; 850; 930
Dassault Falcon Jet:	• Falcon 20-5	Citation V; Citation V Ultra	• TBM 700; 850; 930
Dassault Falcon Jet: • F2000	• Falcon 20-5 • Falcon 50	Citation V; Citation V Ultra	• TBM 700; 850; 930
Dassault Falcon Jet: • F2000 • F2000EX; F2000EX Easy	Falcon 50	Citation V; Citation V Ultra	• TBM 700; 850; 930
Dassault Falcon Jet:		Citation V; Citation V Ultra	• TBM 700; 850; 930
Dassault Falcon Jet:	Falcon 50	Citation V; Citation V Ultra	• TBM 700; 850; 930
Dassault Falcon Jet: F2000 F2000EX; F2000EX Easy F2000DX; F2000LX F900; F900B; F900C F900EX; F900EX Easy	Falcon 50	Citation V; Citation V Ultra	• TBM 700; 850; 930
Dassault Falcon Jet: F2000 F2000EX; F2000EX Easy F2000DX; F2000LX F900; F900B; F900C F900EX; F900EX Easy F900DX; F900LX	Falcon 50	Citation V; Citation V Ultra	• TBM 700; 850; 930
Dassault Falcon Jet: F2000 F2000EX; F2000EX Easy F2000DX; F2000LX F900; F900B; F900C F900EX; F900EX Easy	Falcon 50		• TBM 700; 850; 930
Dassault Falcon Jet:	Falcon 50	Citation V; Citation V Ultra 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	• Eclipse 500	• TBM 700; 850; 930
Dassault Falcon Jet:	Falcon 50 Falcon 50EX	• Eclipse 500 • Phenom 100	• TBM 700; 850; 930
Dassault Falcon Jet:	• Falcon 50 • Falcon 50EX • G-100	• Eclipse 500 • Phenom 100	• TBM 700; 850; 930
Dassault Falcon Jet:	• Falcon 50 • Falcon 50EX • G-100 • G-150	• Eclipse 500 • Phenom 100	• TBM 700; 850; 930
Dassault Falcon Jet:	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	• Eclipse 500 • Phenom 100	• TBM 700; 850; 930
Dassault Falcon Jet:	• Falcon 50 • Falcon 50EX • G-100 • G-150	• Eclipse 500 • Phenom 100	• TBM 700; 850; 930
Dassault Falcon Jet:	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	• Eclipse 500 • Phenom 100	• TBM 700; 850; 930
Dassault Falcon Jet:	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	• Eclipse 500 • Phenom 100	• TBM 700; 850; 930
Dassault Falcon Jet:	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	• Eclipse 500 • Phenom 100	
Dassault Falcon Jet:	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	• Eclipse 500 • Phenom 100	• TBM 700; 850; 930
Dassault Falcon Jet:	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	• Eclipse 500 • Phenom 100	• P-180; P180 II
Dassault Falcon Jet:	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	• Eclipse 500 • Phenom 100	
Dassault Falcon Jet:	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	• Eclipse 500 • 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 – 2.00	00 3.000	4.000 – 6.000	7.000	8.000 - 10.000
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	Below average asset quality due to upcoming, heavy,	Most aircraft will Score within this range, representing good	Very good asset quality (usually associated with	Exceptional asset quality (typical of new, or nearly
Quality	scheduled maintenance	asset quality	recent production aircraft)	new, production aircraft)

❷ 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



Business Jet & Turboprop Aircraft – Volume 1, January 2022

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

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