Al² Market Report

Business Jet & Turboprop Aircraft – Volume 3, July 2022

OVERALL DEMAND STRONG; JETS MARGINALLY LOWER STEADY 2Q MONTHLY INCREASES RAISE INVENTORY 13.3%

OVERALL ASK PRICES RISE 57% YTD; MID-SIZE JETS UP 125% 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 June 30, 2022, maintenance analytics covered 134 fixed-wing models and 791 aircraft listed for sale.

Listed aircraft increased monthly during 2Q (see page 2), while Ask Prices (below) rose 57% Year-to-Date to set a 12-month value peak. Young, low-time inventory is still scarce, but unlisted aircraft sales appear to be decreasing

	Jun 2022	2Q 2022	Y/Y Jun
Tracked Fleet Average	12.3%	13.2%	26.5%
Large Jets	5.7%	-4.1%	38.5%
Mid-Size Jets	7.8%	36.2%	66.0%
Small Jets	-1.2%	4.0%	48.5%
Turboprops	5.9%	11.8%	14.0%

Demand* just below 1Q record-high figure, with all jet groups scoring slightly lower

	Q2 '21	Q3 '21	Q4 '21	Q1 '22	Q2 '22
Tracked Fleet Average	2.42	4.06	4.40	4.68	4.66
Large Jets	2.89	4.20	4.65	4.87	4.82
Mid-Size Jets	2.71	3.90	4.32	4.58	4.57
Small Jets	1.80	3.93	4.16	4.53	4.50
Turboprops	1.98	4.32	4.45	4.75	4.75

^{*} 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)

Quality Rating remained unchanged following 12-month best Rating in April

	Jun 2022	2Q 2022	Y/Y Jun
Tracked Fleet Average	0.1%	0.0%	0.5%
Large Jets	-1.0%	-5.0%	-0.5%
Mid-Size Jets	1.3%	1.7%	-2.2%
Light Jets	-1.6%	0.9%	3.9%
Turboprops	1.9%	3.3%	0.7%

At 5.310 on our scale of -2.5 (low) to 10 (high), the listed fleet Quality Rating placed it within Excellent range, with Large Jets the only group to score lower compared to 1Q.

Maintenance Exposure (cost of embedded/accrued maintenance) remained unchanged, but maintenance events are expected to be 3.7% more expensive to complete compared to 2Q 2021

	Jun 2022	2Q 2022	Y/Y Jun
Tracked Fleet Average	1.6%	0.0%	3.7%
Large Jets	3.5%	-0.1%	2.6%
Mid-Size Jets	-6.5%	-6.0%	7.0%
Light Jets	8.5%	13.1%	2.3%
Turboprops	-0.8%	-5.6%	-3.4%

> Inventory fleet's marketability (ETP Ratio) sets new 12-month best 58.9%

The Maintenance Exposure to Price Ratio ("ETP Ratio") decrease evidenced an inventory marketability improvement. An ETP Ratio over 40% represents excessive embedded maintenance in relation to Ask Price and hinders aircraft marketability (see chart on page 2). <u>During 2Q, aircraft whose ETP Ratio was above 40% were listed for sale nearly 156% longer (on average) than aircraft whose ETP Ratio was below 40% (183 vs. 469 Days on Market)</u>. Average Days on Market decreased/improved 22.2% during 2Q to 301, the lowest recorded quarterly average.



John B. Spoor jspoor@assetinsight.com

Anthony Kioussis akioussis@assetinsight.com

Barbara A. Spoor, ASA bspoor@assetinsight.com

Francisco Picornell, ASA fpicornell@assetinsight.com

David Wyndham dwyndham@assetinsight.com

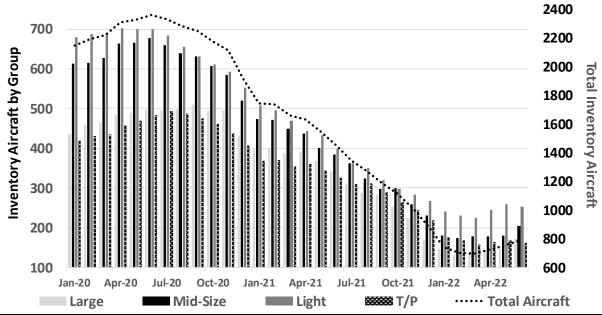
> Asset Insight, LLC 1424 W. Church Street Sandwich Airport Sandwich, IL 60548 Tel: (888) 814-8258 www.assetinsight.com

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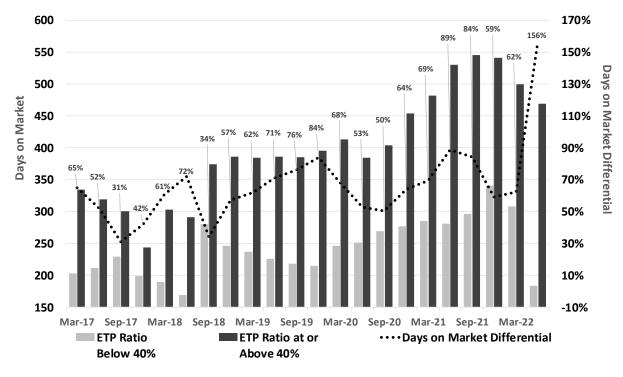
Tracked Inventory Fleet (Jan 2020 – Jun 2022)



Percent of the Active Fleet Listed "For Sale"						
Jun '21:	6.9%	8.2%	7.1%	5.8%	7.3%	
Jun '22:	2.9%	3.8%	4.2%	3.0%	3.5%	

(Source: Jetnet LLC)

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



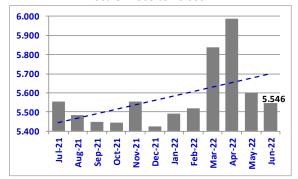
(Source: Jetnet LLC; Asset Insight LLC)



Large Jets

Asset Quality Rating

Scale -2.500 to 10.000

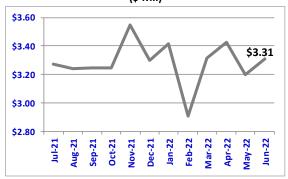


Asset Quality Rating Key

		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)

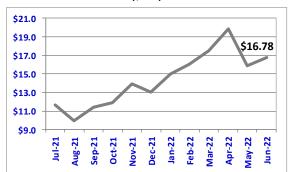


Maintenance Exposure - Reference Points

12-month Figures \$ Millions			Historical Figures \$ Millions		
Worst	Average	Best	Worst	Best	
\$3.55	\$3.29	\$2.91	\$3.76	\$2.58	
* The accrued cost of future scheduled maintenance					

Average Ask Price

(\$ Mil)



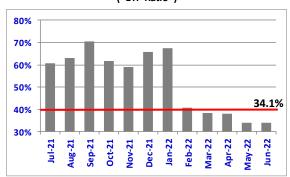
Ask Price - Reference Points

12-month Figures			Historical Figures		
\$ Millions			\$ Millions		
Highest	Average	Lowest	Highest	Lowest	
\$19.86	\$14.42	\$9.99	\$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 Pr	ice Ratio ("ET	P Ratio") & Days on Marl	ket	
		Days on			Days on			Days on
Model	ETP Ratio	Market	Model	ETP Ratio	Market	Model	ETP Ratio	Market
Bombardier			Bombardier			Gulfstream		
CL-650	3.1%	54	CL-601-3A	151.4%	545	G650ER	5.3%	94
Global 6000	11.5%	113	Dassault			G550	20.0%	52
CL-605	15.5%	49	F2000LX	8.4%	32	GV	30.9%	180
Global 5000	18.1%	172	F7X	9.5%	43	GIV	59.7%	65
Global XRS	27.0%	385	F900EX	15.0%	151	GIV-SP (MSG3)	69.8%	174
Global Express	28.6%	326	Falcon 2000	29.4%	88	GIV-SP	93.9%	174
CL-604	36.0%	162	Embraer			GIII	207.6%	1321
CL-601-3R	62.3%	89	Legacy 650	12.5%	250	-		

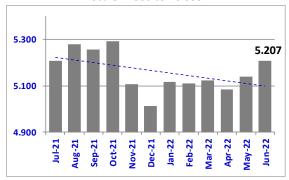
Ask Price and Days on Market source: Jetnet (www.jetnet.com)



Mid-Size Jets

Asset Quality Rating

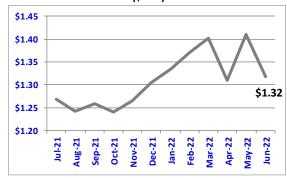
Scale -2.500 to 10.000



	Asset Quality Rating Key							
			Very			Below		
0	utstanding	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	
\$1.41	\$1.31	\$1.24	\$1.70 \$0.85		
	* The accrued cost of future scheduled maintenance				

Average Ask Price

(\$ Mil)



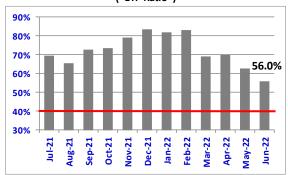
Δck I	Price	- Refe	rence	Points

12-	month Figu	ıres	Historical Figures		
\$ Millions			\$ Millions		
Highest	Average	Lowest	Highest	Lowest	
\$4.87	\$3.22	\$2.17	\$4.87	\$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	t	
		Days on			Days on			Days on
Model	ETP Ratio	Market	Model	ETP Ratio	Market	Model	ETP Ratio	Market
Bombardier			Dassault			Hawker		
Challenger 350	5.1%	41	Falcon 50EX	19.9%	308	Hawker 900XP	19.5%	32
Learjet 45 w/APU	34.2%	36	Falcon 50	61.1%	240	Hawker 850XP	22.4%	40
Learjet 60XR	36.0%	146	Falcon 20-5	134.8%	644	Hawker 400XP	25.6%	198
Learjet 40XR	41.1%	78	Embraer			Hawker 800XP	42.3%	153
Learjet 60	44.9%	310	Legacy 500	8.6%	107	Hawker Beechjet 400A	70.9%	583
Learjet 55	168.7%	1076	Gulfstream			Hawker Beechjet 400	76.0%	519
Cessna			G-150	15.1%	64	Hawker 800A	86.4%	1477
Citation XLS	19.4%	43	G-200	26.8%	74	Hawker 125-700A	303.8%	336
Citation Sovereign 680	21.2%	60						
Citation Excel 560XL	33.4%	35						

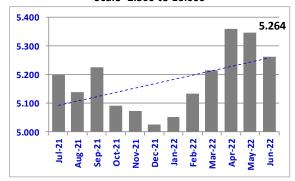
Ask Price and Days on Market source: Jetnet (www.jetnet.com



Light Jets

Asset Quality Rating

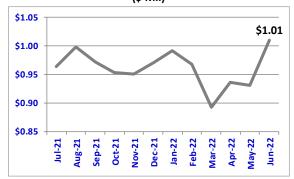
Scale -2.500 to 10.000



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)

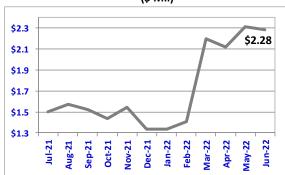


Maintenance Exposure - Reference Points

12-month Figures \$ Millions			Historical Figures \$ Millions		
Worst	Average	Best	Worst Best		
\$1.01	\$0.96	\$0.89	\$1.07	\$0.57	
	* The accrued	cost of futur	e scheduled mainte	nance	

Average Ask Price

(\$ Mil)



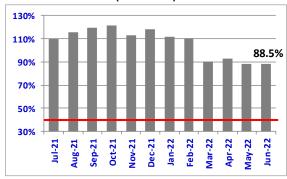
Ask Price - Reference Po

12-month Figures \$ Millions			Historical Figures \$ Millions		
Highest	Average	Lowest	Highest	Lowest	
\$2.31	\$1.71	\$1.33	\$2.31 \$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

	Maintena	nce Expo	sure to Ask Price	Ratio ("E1	「P Ratio")	& Days on N	/larket	
		Days on			Days on			Days on
Model	ETP Ratio	Market	Model	ETP Ratio	Market	Model	ETP Ratio	Market
Beechcraft			Cessna			Cessna		
Premier 1A	32.6%	112	Citation CJ3	14.2%	26	Citation I	119.4%	22
Premier 1	60.0%	88	Citation CJ2	16.5%	457	Citation ISP	138.7%	296
Bombardier			Citation CJ2+ 525A	20.2%	336	Learjet 31	144.4%	42
Learjet 31A	92.1%	1094	Citation V Ultra	31.6%	74	Citation III	153.7%	590
Learjet 35A	200.5%	470	Citation Mustang 510	34.8%	242	Citation Bravo	154.4%	95
Cessna			Citation CJ1	45.0%	248	Embraer		
Citation CJ3+	4.0%	51	Citation V 560	52.2%	333	Phenom 300	11.6%	61
Citation CJ4 5250	9.7%	63	Citation II	114.2%	759	Phenom 100	23.2%	95

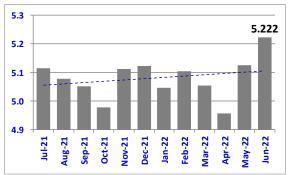
Ask Price and Days on Market source: Jetnet (www.jetnet.com)



Turboprops

Asset Quality Rating

Scale -2.500 to 10.000

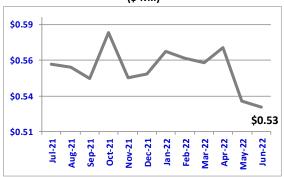


Asset Quality Rating Key

		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)

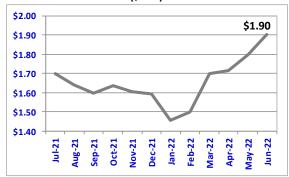


Maintenance Exposure - Reference Points

12-month Figures \$ Millions			Historical Figures \$ Millions		
Worst	Average	Best	Worst	Best	
\$0.58	\$0.55	\$0.53	\$0.70	\$0.44	
	* The accrued	cost of futur	e scheduled mainte	nance	

Average Ask Price

(\$ Mil)



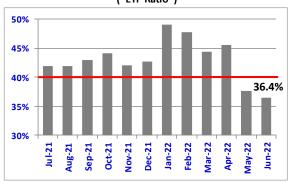
Ask Price - Reference Points

12-month Figures \$ Millions			Historical Figures \$ Millions		
Highest	Average	Lowest	Highest	Lowest	
\$1.90	\$1.65	\$1.46	\$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

	Maintena	nce Expo	sure to Ask Price	Ratio ("ETI	P 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		
KingAir 350 - Post-2000	13.8%	351	Caravan 208-675	13.5%	231	Piaggio P-180 II	29.1%	647
KingAir B-200 - Post-2000	20.1%	364	Caravan Grand 208B	29.4%	613	Piaggio P-180	68.6%	854
KingAir B-200 - Pre-2001	37.4%	364	Daher - Socata			Pilatus		
KingAir 300	39.8%	79	TBM 850	18.0%	82	Pilatus PC-12	14.6%	98
KingAir 350 - Pre-2001	48.1%	351	TBM 700A	60.3%	454	Piper		
KingAir C90	121.9%	746				Piper Meridian	22.0%	143

Ask Price and Days on Market source: 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:		T	
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 Learjet 60: 60YB		
Global Express Global XRS	Learjet 60; 60XR Leariet 70: 75		+
	• Learjet 70; 75		
Cessna: • Citation Latitude	Citation Eyeol	• Citation CI11	
Citation Latitude	Citation Excel Citation Sovereign	Citation CJ1+ Citation CJ2	
	Citation Sovereign Citation VII		
	Citation VI Citation X (MSG3)	Citation CJ3 Citation CJ4	
	Citation X (WSG3) Citation XLS; XLS (MSG3)	Citation Cra Citation Bravo	
	Citation XLS+ (MSG3)	Citation Bravo Citation Encore; Encore +	
	Citation ALST (WISGS)	Citation I-SP	
		Citation II	
		Citation Mustang	
		Citation V; Citation V Ultra	
Daher Socata:		, , , , , , , , , , , , , , , , , , , ,	
			• TBM 700; 850; 930
Dassault Falcon let:			
Dassault Falcon Jet: • F2000	• Falcon 20-5		
• F2000	• Falcon 20-5 • Falcon 50		
F2000F2000EX; F2000EX Easy	• Falcon 50		
F2000F2000EX; F2000EX EasyF2000DX; F2000LX			
 F2000 F2000EX; F2000EX Easy F2000DX; F2000LX F900; F900B; F900C 	• Falcon 50		
 F2000 F2000EX; F2000EX Easy F2000DX; F2000LX F900; F900B; F900C F900EX; F900EX Easy 	• Falcon 50		
 F2000 F2000EX; F2000EX Easy F2000DX; F2000LX F900; F900B; F900C 	• Falcon 50		
 F2000 F2000EX; F2000EX Easy F2000DX; F2000LX F900; F900B; F900C F900EX; F900EX Easy F900DX; F900LX 	• Falcon 50	• Eclipse 500	
 F2000 F2000EX; F2000EX Easy F2000DX; F2000LX F900; F900B; F900C F900EX; F900EX Easy F900DX; F900LX 	• Falcon 50	• Eclipse 500	
 F2000 F2000EX; F2000EX Easy F2000DX; F2000LX F900; F900B; F900C F900EX; F900EX Easy F900DX; F900LX Eclipse: 	• Falcon 50	• Eclipse 500 • Phenom 100	
 F2000 F2000EX; F2000EX Easy F2000DX; F2000LX F900; F900B; F900C F900EX; F900EX Easy F900DX; F900LX Eclipse:	• Falcon 50	·	
F2000 F2000EX; F2000EX Easy F2000DX; F2000LX F900; F900B; F900C F900EX; F900EX Easy F900DX; F900LX Eclipse: Embraer: Legacy 600	• Falcon 50	Phenom 100	
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	
F2000 F2000EX; F2000EX Easy F2000DX; F2000LX F900; F900B; F900C F900EX; F900EX Easy F900DX; F900LX Eclipse: Embraer: Legacy 600	• Falcon 50	Phenom 100	
• F2000 • F2000EX; F2000EX Easy • F2000DX; F2000LX • F900; F900B; F900C • F900EX; F900EX Easy • F900DX; F900LX Eclipse: Embraer: • Legacy 600 Gulfstream: • G-IV	Falcon 50 Falcon 50EX G-100	Phenom 100	
• F2000 • F2000EX; F2000EX Easy • F2000DX; F2000LX • F900; F900B; F900C • F900EX; F900EX Easy • F900DX; F900LX Eclipse: Embraer: • Legacy 600 Gulfstream: • G-IV • GIV-SP & GIV-SP (MSG3)	• Falcon 50 • Falcon 50EX • G-100 • G-150	Phenom 100	
• F2000 • F2000EX; F2000EX Easy • F2000DX; F2000LX • F900; F900B; F900C • F900EX; F900EX Easy • F900DX; F900LX Eclipse: Embraer: • Legacy 600 Gulfstream: • G-IV • GIV-SP & GIV-SP (MSG3) • GV	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	Phenom 100	
• F2000 • F2000EX; F2000EX Easy • F2000DX; F2000LX • F900; F900B; F900C • F900EX; F900EX Easy • F900DX; F900LX Eclipse: Embraer: • Legacy 600 Gulfstream: • G-IV • GIV-SP & GIV-SP (MSG3) • GV • G300; G350	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	Phenom 100	
• F2000 • F2000EX; F2000EX Easy • F2000DX; F2000LX • F900; F900B; F900C • F900EX; F900EX Easy • F900DX; F900LX Eclipse: Embraer: • Legacy 600 Gulfstream: • G-IV • GIV-SP & GIV-SP (MSG3) • GV • G300; G350 • G400; G450	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	Phenom 100	
• F2000 • F2000EX; F2000EX Easy • F2000DX; F2000LX • F900; F900B; F900C • F900EX; F900EX Easy • F900DX; F900LX Eclipse: Embraer: • Legacy 600 Gulfstream: • G-IV • GIV-SP & GIV-SP (MSG3) • GV • G300; G350 • G400; G450 • G500; G550	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	Phenom 100	
• F2000 • F2000EX; F2000EX Easy • F2000DX; F2000LX • F900; F900B; F900C • F900EX; F900EX Easy • F900DX; F900LX Eclipse: Embraer: • Legacy 600 Gulfstream: • G-IV • 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
• F2000 • F2000EX; F2000EX Easy • F2000DX; F2000LX • F900; F900B; F900C • F900EX; F900EX Easy • F900DX; F900LX Eclipse: Embraer: • Legacy 600 Gulfstream: • G-IV • 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	
• F2000 • F2000EX; F2000EX Easy • F2000DX; F2000LX • F900; F900B; F900C • F900EX; F900EX Easy • F900DX; F900LX Eclipse: Embraer: • Legacy 600 Gulfstream: • G-IV • 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	
• F2000 • F2000EX; F2000EX Easy • F2000DX; F2000LX • F900; F900B; F900C • F900EX; F900EX Easy • F900DX; F900EX Easy • F900DX; F900LX Eclipse: Embraer: • Legacy 600 Gulfstream: • G-IV • GIV-SP & GIV-SP (MSG3) • GV • G300; G350 • G400; G450 • G500; G550 • G650; G650ER Pilaggio:	• Falcon 50 • Falcon 50EX • G-100 • G-150 • G-200	Phenom 100	• P-180; P180 II
• F2000 • F2000EX; F2000EX Easy • F2000DX; F2000LX • F900; F900B; F900C • F900EX; F900EX Easy • F900DX; F900EX Easy • F900DX; F900LX Eclipse: Embraer: • Legacy 600 Gulfstream: • G-IV • 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
•				
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



Asset Insight, LLC (540) 905-4555 info@assetinsight.com

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 X 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 (<u>www.assetinsight.com</u>) 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.

Asset Insight, LLC makes no representation concerning the value or condition of any aircraft. Additionally, Asset Insight, LLC does not warrant the accuracy of the information obtained by Asset Insight, LLC that has been used to produce this Report.

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Asset Insight, LLC

P.O. Box 27740, Las Vegas, NV 89126 Telephone: (540) 905-4555 | www.assetinsight.com

To obtain an instant valuation 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 a demonstration of Asset Insight's services, please call us at (540) 905-4555.

