# Q3 MANHEIM USED VEHICLE VALUE INDEX CALL

Oct. 6, 2023



# THE POWER OF COX AUTOMOTIVE



The World's Largest Automotive Services and Technology Provider







#### PRESENTERS

Mark Schirmer, Director, Corporate Communications

Jonathan Smoke, Chief Economist

Derek Hansen, Vice President, Operations

Chris Frey, Senior Manager, Economic and Industry Insights

Jeremy Robb, Senior Director, Economic and Industry Insights







# JONATHAN SMOKE

**Chief Economist** 





# CONSUMER SPENDING GROWTH REACCELERATED THIS SUMMER

Total spending in mid-September was up 17% y/y with strength in services, back-to-school, travel, and health care

Y/Y Spending % Change for Week Ending September 16, 2023





40%

### CONSUMER SENTIMENT DECLINED IN AUGUST AND SEPTEMBER

The Index of Consumer Sentiment declined 2.3% in August and 2.1% in September

Morning Consult Index of Consumer Sentiment vs. Average Price of Unleaded



Jan-22 Feb-22 Mar-22 Apr-22 May-22 Jun-22 Jul-22 Aug-22 Sep-22 Oct-22 Nov-22 Dec-22 Jan-23 Feb-23 Mar-23 Apr-23 May-23 Jun-23 Jul-23 Aug-23 Sep-23

# **JOB GROWTH CONTINUES TO SLOW**

August saw 187,000 new jobs but the unemployment rate increased to 3.8%

Baseline vs. Recession Quarterly Unemployment Forecast (U3 %)



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Source: BLS, Moody's Analytics, Cox Automotive

# **RETAIL VEHICLE SALES ESTIMATES**

New sales declined 1% last week and are +21% y/y while used sales also dropped a point w/w & are now +6% y/y

**New Retail Sales** 

**Used Retail Sales** 

<u> 2019 2020 2021 2022 2023</u>

<u>----2019</u> <u>----2020</u> <u>----2023</u> <u>----2023</u>









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Source: vAuto, Cox Automotive

# SUPPLY BETTER THAN LAST YEAR FOR NEW BUT TIGHTER FOR USED

New supply is up 15 days y/y and up 7% w/w; used supply is now down 7 days y/y and up 3% w/w

New Days' Supply



#### Used Days' Supply





Vice President, Operations, Inventory Management Solutions







Founded in 2005; acquired by Autotrader in 2010

Largest inventory management platform for dealers today

Provides a real-time view of the market—down to the local level

14,000+ dealers use vAuto to manage their vehicle inventory

Dealers sold 23M+ vehicles in 2022 leveraging vAuto's solutions.

#### **ROOTED IN DATA SCIENCE**

LOCAL MARKET

> vAuto can predict the probability of any vehicle selling in the next 7 days at any given price.

> > EACH VEHICLE

INDIV. STORES vAuto DRIVES DECISIONS and CREATES CONNECTIONS that help dealers MAXIMIZE RETURNS on every vehicle.



# **ProfitTime**<sup>®</sup>GPS

#### GLOBAL PROFITABILITY SOLUTION



Trade In		Street Purchase	KBB ICO
Trans. 24 (19)	Real Polymercy A service two tax IS II of	Relati Performance Binances See See	Retail Performance



be a profit finder

CONQUEST

NEW CAR INVENTORY MANAGEMENT & PRICING

### **DRIVEN BY SOUND PHILOSOPHY**

# From Velocity

# **DEALER TRENDS WE'RE SEEING**

- Dealers are sourcing used vehicles from more places.
- More used vehicles dealers are acquiring are falling into the bronze category in ProfitTime GPS.
- For new cars, discounts are returning; dealers are turning to local market data to determine which vehicles to discount – and when.

# WHAT'S NEXT FOR VAUTO





More Capabilities across the Dealer Workflow More Connections across Retail and Wholesale



Senior Manager, Economic and Industry Insights



# MANHEIM USED VEHICLE VALUE INDEX /

#### Concept

A single measure of used vehicle price change that is independent of underlying segment shifts in the characteristics of vehicles being sold

#### Steps

- 1. All Manheim U.S. sales
- 2. Classify by market segment
- 3. Account for differences in mileage
- 4. Weight to provide smoother segment mix
- 5. Seasonally adjust

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AVENDER

# WHOLESALE VEHICLE VALUES INCREASE IN SEPTEMBER

Prices in September increased 1.0% from August and were down 3.9% from September 2022



# YEAR-OVER-YEAR PERFORMANCE IMPROVED AFTER JULY 2023 LOW

Annualized changes moved closer to spring pace of price declines



# SEASONALLY ADJUSTED PRICE LEVEL STILL REMAINING CLOSE WITH NON-ADJUSTED PRICE

Price movements have tightened since March, but gaps remain unlike post-COVID runups



# WORK-RELATED UNITS SHOWING MORE RESILIENCY THAN OTHER SEGMENTS

Pickups were the lone beneficiary in September.



Percent Change in Manheim Index Year Over Year September 2023



# WHOLESALE PERFORMANCE, U.S. VERSUS CANADA

Canada again outperformed the U.S. on an index level in the third quarter



Jan-05 Jan-06 Jan-07 Jan-08 Jan-09 Jan-10 Jan-11 Jan-12 Jan-13 Jan-14 Jan-15 Jan-16 Jan-17 Jan-18 Jan-19 Jan-20 Jan-21 Jan-22 Jan-23



Senior Director, Economic and Industry Insights





# WHOLESALE SALES CONVERSION

Sales Conversion is running higher than 2022 now as demand picked up in late summer



**Sales Conversion** 

# WHOLESALE SUPPLY

Inventory now +2% with sales +9% against 2022, Days Supply increased to 26.0, down 10% Y/Y



#### Cox Automotive

Source: Manheim

# **OVERALL WHOLESALE MMR VALUE TRENDS**

This year, the overall index has shown volatility, but recent depreciation was more muted



#### Cox Automotive

### **1YO MMR INDEX WITH RESALE VALUES BY** CALENDAR YEAR

The 1YO has shows the most depreciation as new supply increases, down 11%





#### Cox Automotive

### **3YO MMR INDEX WITH RESALE VALUES BY** CALENDAR YEAR

3YO down 6% this year but resale values have been flatter over the last month





# **RETENTION VALUES AT AUCTION**

Auction Retention Values declined in July but were flatter in August & September



Auction Retention Values (1 to 3 year old vehicles)



#### Cox Automotive

# CALE: LEASE EQUITY ELEVATED BUT DECLINING

2023 fell in early summer but flattened in August, declines increased for late September



# **AUCTION CHECK-INS FOR COMMERCIAL SEGMENTS**

Repo & Lease Check-In Rates continue to rise, but a long road to normal for Off-Lease



**Repo Check-In Index** 

2019 2020 2021 2022 202

Rental Check-In Index 2019=100



#### Cox Automotive

Source: Manheim

Lease Check-In Index 2019=100



- Repo +28% vs '22 but down (7%) vs '19
- Lease +73% vs '22 yet down (76%) vs '19
- Rental down (15%) vs '22 and down (52%) vs '19

# **RENTAL RISK AVERAGE AUCTION PRICES**

Prices for units sold in September were down 1.7% year-over-year but up 1.4% from August



# **RENTAL RISK VEHICLE VARIETY INCREASING**

#### Shares of top configurations flattening

	2021 Q3	2022 Q3	2023 Q3
Number of unique year, make, model, body configurations sold	2,890	3,892	4,502
Share accounted for top 10 YMMB	17.2%	10.9%	10.7%
Share accounted for top 25 YMMB	30.0%	19.7%	19.4%
Number of YMMB to reach 50% share	77	128	150



# **RENTAL RISK AVERAGE MILEAGE**

Average mileage was down 6.9% from August and down 5.3% from September 2022


### **RENTAL RISK SALES CONDITION**

Minimal changes and more balance in rental sales



■ 0 - 1.9 ■ 2.0 - 2.9 ■ 3.0 - 3.9 ■ 4.0 - 4.9 ■ 5.0

### **RENTAL RISK SALES BY MAKE**

Stable sales mix but more Toyota product showing at auction



### **RENTAL RISK SALES BY VEHICLE SEGMENT**

Midsize cars showed the most gain from Q2, while vans retreated 2.2%



### MANHEIM INSIGHTS ON TOP VOLUME VEHICLES

Price trends on top selling vehicles in September at Manheim mostly showed declining values for the month

Rank	Source(Rank)	Category	Subcategory	Vehicle	2-Oct	Past 30 Days	Last Year	Current Dep	L12M Dep/Mo
1	All	Midsize Car	Midsize Car Entry	2022 CHEVROLET MALIBU 4D SEDAN LT	\$17,750	\$18,950	\$22,400	-6.3%	-1.7%
2	All	SUV	SUV Midsize	2022 CHEVROLET EQUINOX AWD 4D SUV LT	\$22,400	\$22,100	\$28,200	1.4%	-1.7%
3	All	Compact Car	Compact Car Premium	2021 TOYOTA COROLLA 4D SEDAN LE	\$16,250	\$16,750	\$19,850	-3.0%	-1.5%
4	All	Compact Car	Compact Car Premium	2022 TOYOTA COROLLA 4D SEDAN LE	\$18,900	\$19,300	\$23,500	-2.1%	-1.6%
5	All	SUV	SUV Midsize	2020 FORD EXPLORER 4WD 4C 4D SUV XLT	\$28,000	\$28,200	\$32,200	-0.7%	-1.1%
1 Dealer	Dealer	Compact Car	Compact Car Premium	2021 TOYOTA COROLLA 4D SEDAN LE	\$16,250	\$16,750	\$19,850	-3.0%	-1.5%
1 Lease	Lease	SUV	SUV Midsize	2022 CHEVROLET EQUINOX AWD 4D SUV LT	\$22,400	\$22,100	\$28,200	1.4%	-1.7%
1 Rental	Rental	Midsize Car	Midsize Car Entry	2022 CHEVROLET MALIBU 4D SEDAN LT	\$17,750	\$18,950	\$22,400	-6.3%	-1.7%

### WHOLESALE FLOWS BOTTOMED IN 2022

After 13% decline in 2022, the wholesale market should see a slow and gradual recovery to 2020 levels by 2028



Estimated Wholesale Volumes by Inflow Channel (Annual Volume)

# ON-SITE PHYSICAL AUCTION VOLUMES DO NOT FULLY RECOVER

With gradual shift to more transactions offsite and fully digital, onsite volumes in 2028 expected to be 18% below 2019

Wholesale Onsite/Physical vs. Offsite



OnSite/Physical Offsite Digital

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### **REPO DIP IN 2020-2021 SEES NORMALIZED RECOVERY**

Longer term expects normal default rates by credit tier resulting in higher defaults in 2028 compared to 2019



Estimated Repossession Volumes

### OFF LEASE RETURNS COLLAPSED BUT WILL RECOVER AS MATURITIES FALL

Return rate hit historical low of 11% in 2022 vs. 62% in 2019; now lease maturities are falling

3.0 2.5 2.5 2.4 2.5 1.9 2.0 1.7 Million Units 1.5 1.4 1.2 1.0 1.0 0.8 0.7 0.5 0.4 0.0 2018 2022 2028 2019 2020 2021 2023 2024 2025 2026 2027

**Off Lease Returns** 

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## DEALER VOLUMES SPIKED IN 2021; NORMAL FLOWS AHEAD

Off-lease arbitrage and record retail sales powered 11% jump in dealer consignments in 2021

7.6 7.3 7.4 7.2 6.9 7.0 6.8 6.7 6.6 6.6 6.6 6.5 6.4 6.4 6.4 6.3 6.4 6.2 6.1 6.0 5.8 5.6 5.4 2027 2028 2018 2019 2020 2021 2022 2023 2024 2025 2026

**Estimated Dealer Volumes** 

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### **RENTAL VOLUMES IMPROVE AS FLEET SIZE RECOVERS**

Total fleet size expected to get back to pre-pandemic levels by 2026 as share of new market recovers



**Estimated Rental Volumes** 

### HIGHER THAN NORMAL DEPRECIATION IN 2023 TRANSITIONS TO NORMAL PRICE CHANGE IN 2024

2023 saw more price pressure than normal in spring and summer but balance has returned in the fall



Y/Y % Change Manheim Index, As Of December

### **EV TRANSACTIONS CONTINUE TO INCREASE AT MANHEIM**

Q3 EV transactions rose 88% year over year as more makes and models entered the wholesale marketplace



Wholesale EV Transaction Metrics



2023 FORECASTS Q3 Update





### MORE AUTO INDUSTRY DATA AND INSIGHTS FROM COX AUTOMOTIVE

The go-to source for insights based on the largest breadth of first-party data in the automotive ecosystem

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Fresh content from Chief Economist Jonathan Smoke and the Industry Insights team is published regularly.

#### Auto Market Snapshot: www.coxautoinc.com/marketsnapshot

This dashboard is a one-stop dashboard for the most recent data points our team is tracking.

#### From the Newsroom: www.coxautoinc.com/signup

The Cox Automotive biweekly newsletter, published every other Tuesday, is a round-up of news from Cox Automotive and perspectives from its analysts and experts on topics dominating the automotive industry.





# **THANK YOU FOR ATTENDING!**

Contact us with questions or to speak with an expert:

Dara Hailes

Senior Manager Cox Automotive Corporate Communications dara.hailes@coxautoinc.com

Mark Schirmer Director Cox Automotive Corporate Communications mark.schirmer@coxautoinc.com