San Diego Auto Outlook

Comprehensive information on the San Diego County new vehicle market

NEW CAR DEALERS ASSOCIATION SAN DIEGO COUNTY

FORECAST

New Vehicle Market Predicted to Trend Higher During Next Two Years



Key factors boosting new vehicle sales

Pent-up demand is growing. New vehicle registrations since the onset of the pandemic have been well below average. And although sales recovered from the low point of the recession in 2009, it took several years for the market to rebound. The pent-up demand that accrued between 2009 and 2015 had barely been released before the pandemic and ensuing supply chain issues boosted the total again. Pent-up demand will support new vehicle sales for several years.

Employment and household incomes are

strong. As mentioned on the right, recession is still a possibility and affordability has weakened, but the unemployment rate is low and wage growth is steady.

Impressive array of new products. Today's new vehicles offer significant improvements compared to the average 10 year old car. Aside from the fact that their current vehicle may be wearing out, advances in safety features, performance, alternative powertrains, and infotainment are all factors luring shoppers into dealerships.



Key factors holding back new vehicle sales

Interest rates are high. The prime interest rate has increased by more than five points during the past three years, placing significant upward pressure on vehicle loan and lease payments.

Vehicle prices are high. Average transaction prices moved higher last year due to supply chain issues, inflationary pressures, and higher vehicle content. Escalating prices and higher rates have weakened vehicle affordability, which will be an issue holding back sales.

Soft landing not guaranteed. Most economists expect growth to remain positive despite higher interest rates, but this is not a sure thing. The economy is essentially at break even right now, and it wouldn't take much to push it to recession.

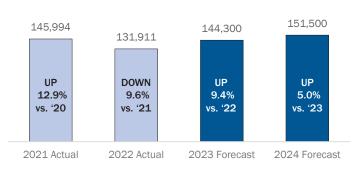
Other threats. After being put on hold since the pandemic hit in March of 2020, student loan payments are restarting, gas prices are high, excess household savings have been depleted, and if the UAW strike lingers, sales could be impacted.

Key Trends in San Diego County Market



- » Forecast summary: pent-up demand will provide momentum for the new vehicle market over the next 15 months, while the negative factors will place a ceiling on how high sales can go.
- » County new retail light vehicle registrations are predicted to increase 9.4% this year and 5.0% in 2024.
- » Registrations exceeded 36,000 units in the Third Quarter of this year and increased 17.3% versus depressed yearearlier levels.
- » Battery electric vehicles accounted for 22.4% of the market in the first nine months of this year, up from 15.5% last year. BEV share decreased slightly from the Second to the Third Quarter of 2023, however (see page 4).
- » Rivian, Buick, Tesla, Honda, and Cadillac had the largest percentage increases so far this year.

Forecast for County New Retail Light Vehicle Registrations



The graph above shows annual new retail light vehicle registrations in 2021 and 2022 and Auto Outlook's projections for 2023 and 2024. Historical data sourced from Experian Automotive.

Market Summary

	YTD '22 Sept.	YTD '23 Sept.	% Chg. '22 to '23	Mkt. Share YTD '23
TOTAL	98,823	107,924	9.2%	
Car	28,474	30,946	8.7%	28.7%
Light Truck	70,349	76,978	9.4%	71.3%
Domestic	32,280	38,896	20.5%	36.0%
European	15,495	15,125	-2.4%	14.0%
Japanese	40,231	42,865	6.5%	39.7%
Korean	10,817	11,038	2.0%	10.2%

Domestics consist of vehicles sold by GM, Ford, Stellantis (excluding Alfa Romeo and FIAT), Tesla, Rivian, and Lucid. Data sourced from Experian Automotive.

New retail light vehicle registrations in San Diego County

increased by 9.2% during the

first nine months of this year,

higher than the 7.0% improve-

The county unemploy-

ment in the Nation.

U.S.

UP 7.0%

Average Hourly Earnings for

San Diego County New Vehicle Market Dashboard

San Diego County

UP 9.2%



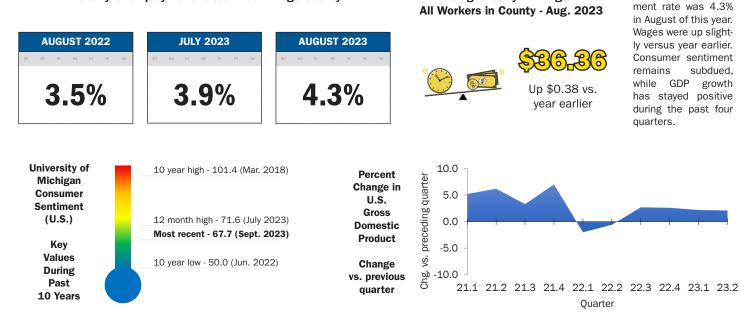
COUNTY MARKET VS. U.S.

% Change In New Retail Market YTD 2023 thru September vs. YTD 2022

Data sourced from Experian Automotive.

TRACKING ECONOMIC INDICATORS

Monthly Unemployment Rates in San Diego County



Sources: Bureau of Labor Statistics, University of Michigan, and U.S. Bureau of Econ. Analysis.

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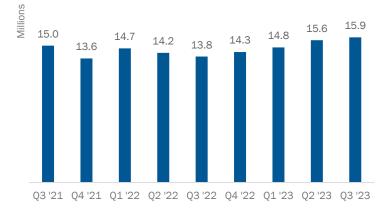
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San Diego County New Vehicle Market Dashboard



MARKET PERFORMANCE DURING PAST TWO YEARS

San Diego County Quarterly Registrations Seasonally Adjusted Annual Rate, Converted to Equivalent U.S. New Vehicle Market SAAR (millions of units)



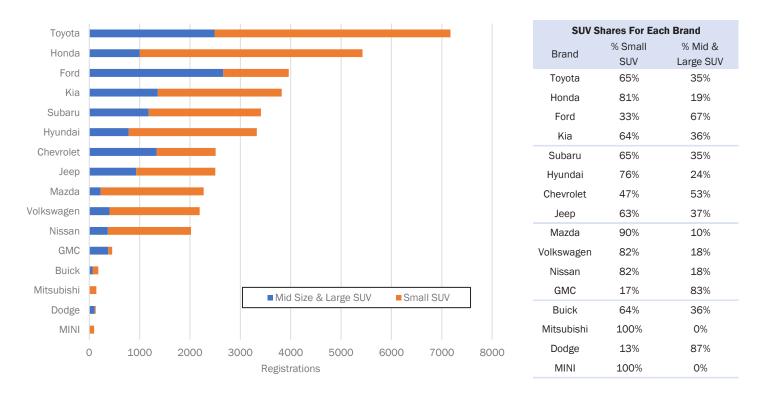
The graph on the left provides an easily recognizable way to gauge the strength of the county market. It shows quarterly registrations based on a seasonally adjusted annual rate. These figures are then indexed to SAAR sales figures for the U.S. new vehicle market. So just like in the national market, when the quarterly SAAR is above 17 million units, the county market is strong, 15 million is about average, and below 13 million is weak. Equivalent SAAR levels in the county increased from 15.6 million in the Second Quarter of this year to 15.9 million in the Third Quarter.

Data sourced from Experian Automotive. SAAR estimates: Auto Outlook.



NON LUXURY BRAND SUV RANKINGS

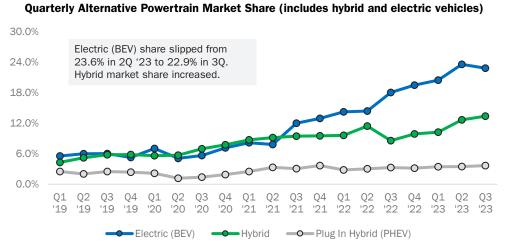
New Registrations by Brand for Mid Size/Large and Small Non Luxury SUVs in County Market - YTD '23 thru September



The graph shows registrations by brand for Mid Size/Large SUVs (blue bar) and Small SUVs (orange bar). Table shows the percentage breakdown for each brand. Toyota was the best-selling non luxury SUV brand, with Small SUV registrations accounting for 65% of total. Data sourced from Experian Automotive.

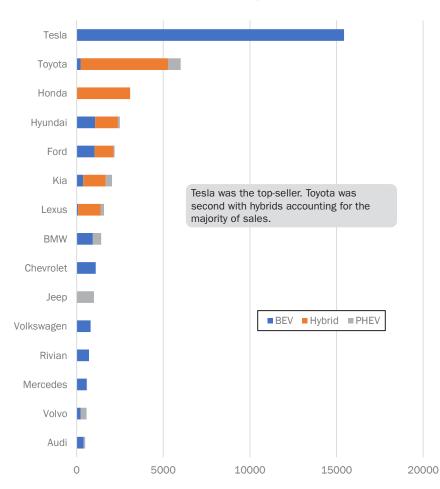
Vehicle Powertrain Dashboard





-	YTD Share by Engine Type (2022 and 2023, thru Sept.)							
	YTD '22	YTD '23						
Electric (BEV)	15.5%	22.4%						
Hybrid	9.9%	12.2%						
Plug In Hybrid (PHEV)	3.0%	3.5%						

Data sourced from Experian Automotive. Hybrid vehicle market share excludes mild hybrids.



Alternative Powertrain Registrations in San Diego County by Brand YTD 2023 thru September

Market Share for Top 25 Selling BEVs, PHEVs, and Hybrids YTD '23 thru September

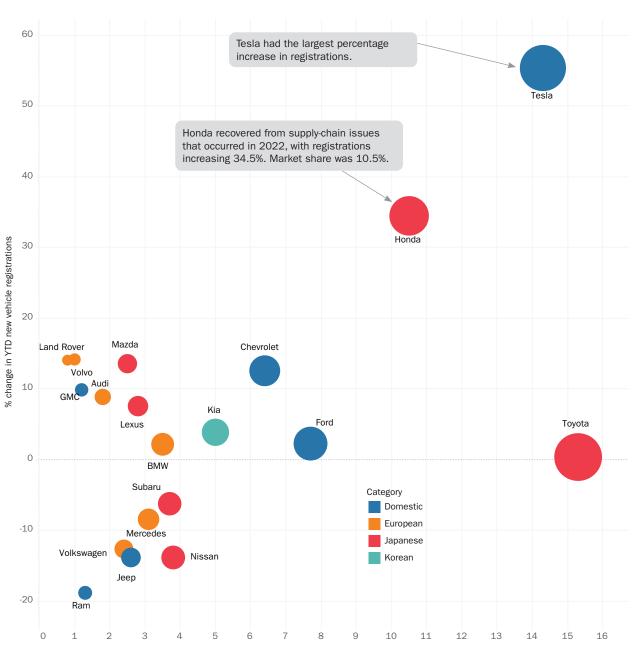
Model	Туре	Mkt. Share
Tesla Model Y	BEV	22.2%
Tesla Model 3	BEV	13.5%
Honda CR-V	Hybrid	4.6%
Toyota RAV4	Hybrid	3.6%
Honda Accord	Hybrid	3.0%
Chevrolet Bolt	BEV	2.7%
Toyota Corolla	Hybrid	2.1%
Volkswagen ID.4	BEV	2.0%
Ford Mustang Mach-E	BEV	1.8%
Ford Maverick	Hybrid	1.8%
Jeep Wrangler	PHEV	1.8%
BMW i4	BEV	1.6%
Hyundai Ioniq 5	BEV	1.6%
Toyota Highlander	Hybrid	1.4%
Tesla Model X	BEV	1.3%
Hyundai Tucson	Hybrid	1.3%
Toyota RAV4	PHEV	1.2%
Lexus RX	Hybrid	1.2%
Hyundai Elantra	Hybrid	1.2%
Kia Niro	Hybrid	1.2%
Toyota Sienna	Hybrid	1.1%
Toyota Prius	Hybrid	1.1%
Rivian R1S	BEV	1.1%
Kia Sorento	Hybrid	1.0%
Toyota Camry	Hybrid	1.0%

Data sourced from Experian Automotive. Hybrid vehicle market share excludes mild hybrids.

BRAND SCOREBOARD

Registrations Improved for Most Brands So Far This Year

The graph below presents a well-rounded view of brand sales results in the county market. It shows both the percentage change in registrations so far this year versus year earlier (vertical axis) and market share (horizontal axis, also denoted by relative size of the circles). Brand category (Domestic, European, Japanese, or Korean) is identified by color of the circles. Brands on the right side of the graph have higher market share, and those at the top have had larger percentage gains in registrations.



San Diego County Market Share (YTD '23 thru September) and Percent Change in Registrations (YTD '23 thru Sept. vs. YTD '22) Top 20 Selling Brands

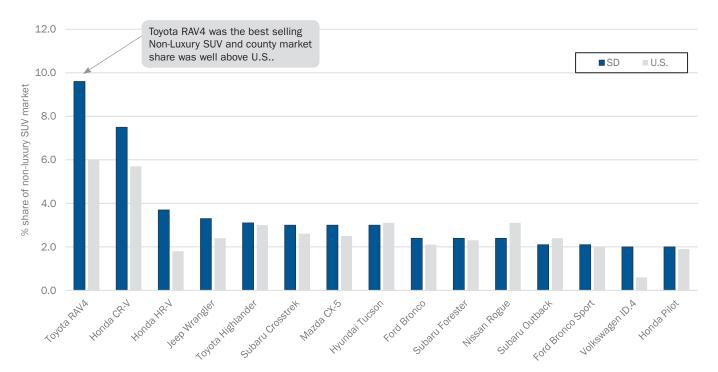
YTD Market share (%) - also indicated by size of circles

Data sourced from Experian Automotive.

MODEL SCOREBOARD

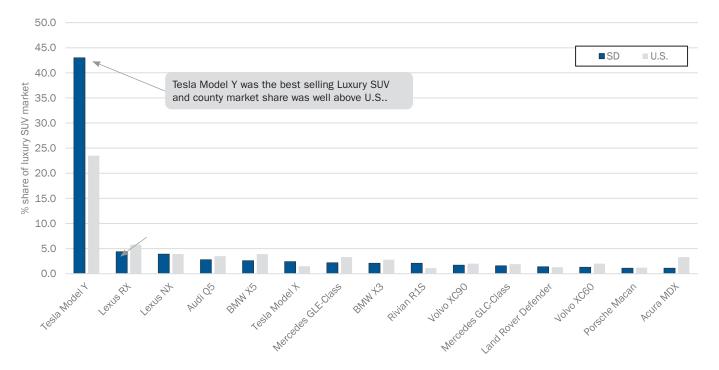
RAV4 is On Top for Non-Luxury SUVs; Model Y Has Big Lead in Luxury Segment

The two graphs below show market shares in the San Diego County and National Non-Luxury and Luxury SUV segments during and the first nine months of this year. Includes the top 15 selling models in the county market.



Market Share for Top 15 Selling Non Luxury SUVs - County and U.S. Market, YTD 2023 thru September

Market Share for Top 15 Selling Luxury SUVs - County and U.S. Market, YTD 2023 thru September

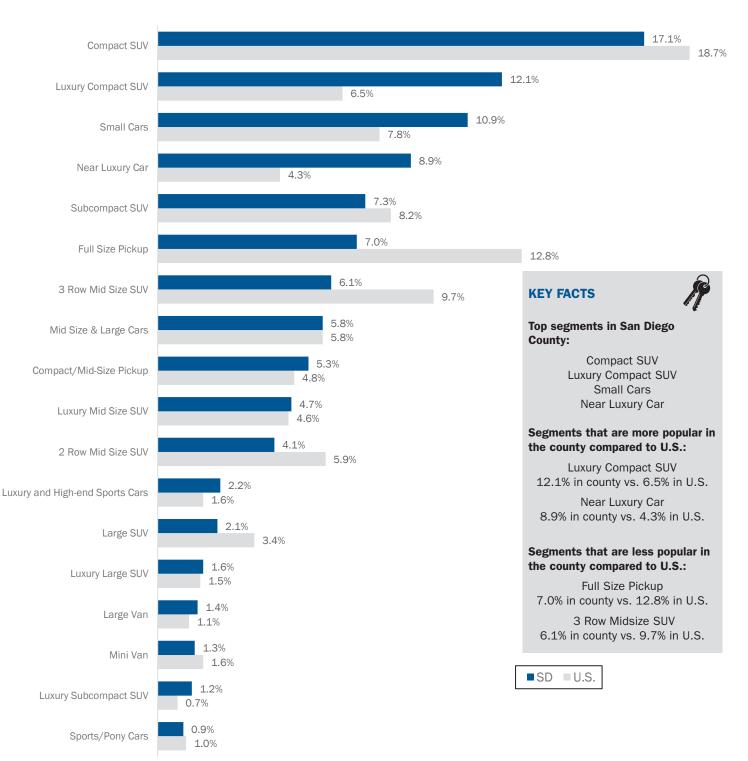


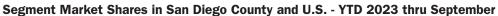
Data sourced from Experian Automotive.

SEGMENTS

Two SUV Segments Lead the San Diego County Market

The graph below shows segment market shares in both the county (blue bars) and U.S. markets (grey bars). Segments are shown from top to bottom based on San Diego County share.





Data sourced from Experian Automotive.

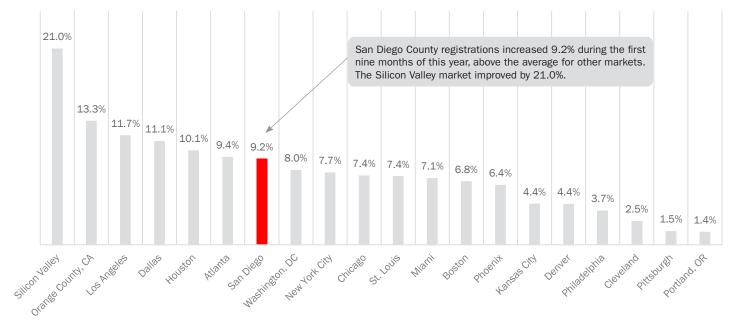
Comparison of Selected Metro Area Markets



Results in Area New Vehicle Markets

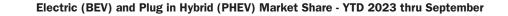
The graph below provides a comparison of how metro area new vehicle markets have performed so far this year. It shows the percent change in new retail light vehicle registrations during the first nine months of this year versus the same period a year earlier.

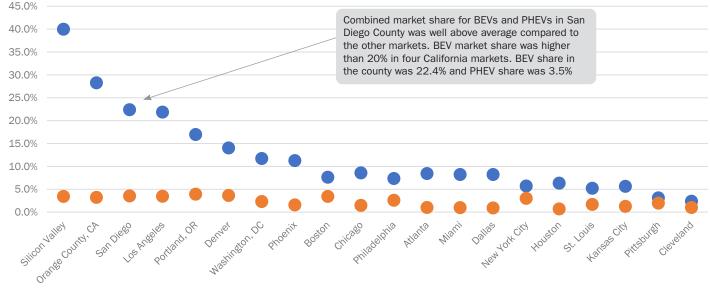






Comparison of BEV and PHEV Market Share



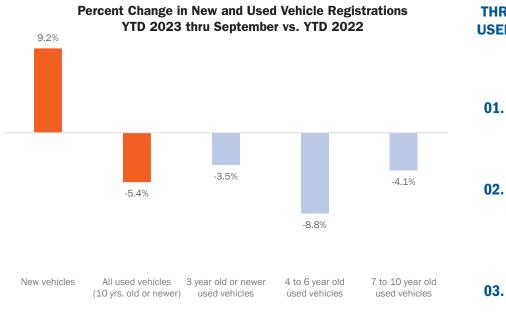


• Electric (BEV) • Plug In Hybrid (PHEV)

Markets are shown from left (highest) to right (lowest) based on combined BEV and PHEV market share. Data sourced from Experian Automotive.

SAN DIEGO COUNTY USED VEHICLE MARKET

County Used Vehicle Market Declined 5.4% So Far This Year



THREE KEY TRENDS IN USED VEHICLE MARKET



The County used vehicle market declined 5.4% during the first nine months of this year versus a year earlier, compared to the 9.2% increase in new vehicle registrations. Elevated vehicle prices, tight supplies, and improving new vehicle inventories will likely prevent any nearterm rebound in used vehicle sales. As shown on the graph to the left, the three year old or newer market

held up relatively well so far this year. Used registrations of three year old or newer vehicles declined 3.5%. The 4 to 6 year old market declined 8.8% and the 7 to 10 year old market fell 4.1%.

Data sourced from Experian Automotive.

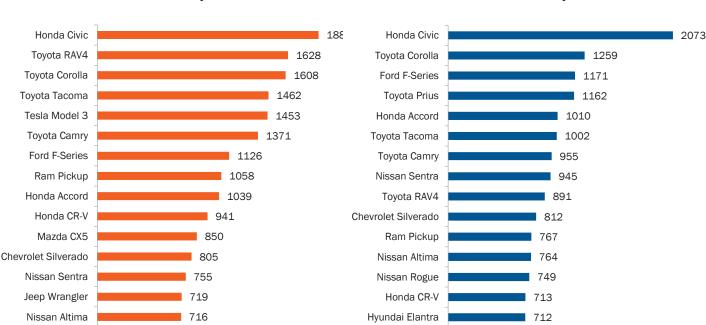
TOP SELLING MODELS IN USED VEHICLE MARKET

Top 15 Selling Models for Vehicles 4 years Old or Newer

YTD 2023 thru September

Honda Civic is Top Seller in County Used Vehicle Market

The two graphs below show the top 15 selling models in San Diego County for two age classifications: vehicles 4 years old or newer, and 5 to 8 year old vehicles. Honda Civic ranked first in each category.



Top 15 Selling Models for 5 to 8 Year Old Vehicles YTD 2023 thru September

Data sourced from Experian Automotive.

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San Diego Auto Outlook

				Brai	nd Registi	rations R	leport					
		S	an Diego	County New	Retall C	ar and Li	ght Truck I	Registrati				
			Third Q				YTD thru September					
		egistrations			et Share (%			egistrations			ket Share (%	,
	3Q '22		% change	3Q '22	3Q '23	Change	YTD '22	YTD '23	0	YTD '22	YTD '23	Change
TOTAL	31,129	36,528	17.3				98,823	107,924	9.2			
Cars	9,137	10,933	19.7	29.4	29.9	0.5	28,474	30,946	8.7	28.8	28.7	-0.1
Light Trucks	21,992	25,595	16.4	70.6	70.1	-0.5	70,349	76,978	9.4	71.2	71.3	0.1
	40.007	40.050	10.0	05.0	05 5	0.5			00 F	00 -		
Domestic Brands	10,897	12,958	18.9	35.0	35.5	0.5	32,280	38,896	20.5	32.7	36.0	3.3
European Brands	5,007	4,836	-3.4	16.1	13.2	-2.9	15,495	15,125	-2.4	15.7	14.0	-1.7
Japanese Brands	11,470	14,865	29.6	36.8	40.7	3.9	40,231	42,865	6.5	40.7	39.7	-1.0
Korean Brands	3,755	3,869	3.0	12.1	10.6	-1.5	10,817	11,038	2.0	10.9	10.2	-0.7
Acura	179	239	33.5	0.6	0.7	0.1	681	714	4.8	0.7	0.7	0.0
Alfa Romeo	23	18	-21.7	0.1	0.0	-0.1	78	55	-29.5	0.1	0.1	0.0
Audi	591	645	9.1	1.9	1.8	-0.1	1,762	1,919	8.9	1.8	1.8	0.0
BMW	1,150	1,165	1.3	3.7	3.2	-0.5	3,670	3,749	2.2	3.7	3.5	-0.2
Buick	28	65	132.1	0.1	0.2	0.1	113	180	59.3	0.1	0.2	0.1
Cadillac	176	190	8.0	0.6	0.5	-0.1	492	585	18.9	0.5	0.5	0.0
Chevrolet	2,384	2,263	-5.1	7.7	6.2	-1.5	6,125	6,895	12.6	6.2	6.4	0.2
Chrysler	113	94	-16.8	0.4	0.3	-0.1	243	263	8.2	0.2	0.2	0.0
Dodge	174	189	8.6	0.6	0.5	-0.1	519	523	0.8	0.5	0.5	0.0
Ford	2,555	2,735	7.0	8.2	7.5	-0.7	8,133	8,317	2.3	8.2	7.7	-0.5
Genesis	137	154	12.4	0.4	0.4	0.0	394	443	12.4	0.4	0.4	0.0
GMC	393	453	15.3	1.3	1.2	-0.1	1,224	1,345	9.9	1.2	1.2	0.0
Honda	2,002	3,941	96.9	6.4	10.8	4.4	8,425	11,330	34.5	8.5	10.5	2.0
Hyundai	1,731	1,702	-1.7	5.6	4.7	-0.9	5,221	5,177	-0.8	5.3	4.8	-0.5
Infiniti	85	111	30.6	0.3	0.3	0.0	277	286	3.2	0.3	0.3	0.0
Jaguar	30	24	-20.0	0.1	0.1	0.0	109	83	-23.9	0.1	0.1	0.0
Јеер	1,101	893	-18.9	3.5	2.4	-1.1	3,265	2,815	-13.8	3.3	2.6	-0.7
Kia	1,887	2,011	6.6	6.1	5.5	-0.6	5,202	5,404	3.9	5.3	5.0	-0.3
Land Rover	142	218	53.5	0.5	0.6	0.1	743	848	14.1	0.8	0.8	0.0
Lexus	931	1,026	10.2	3.0	2.8	-0.2	2,812	3,026	7.6	2.8	2.8	0.0
Lincoln	68	55	-19.1	0.2	0.2	0.0	219	218	-0.5	0.2	0.2	0.0
Maserati	23	27	17.4	0.1	0.1	0.0	88	74	-15.9	0.1	0.1	0.0
Mazda	655	837	27.8	2.1	2.3	0.2	2,403	2,729	13.6	2.4	2.5	0.1
Mercedes	1,207	1,060	-12.2	3.9	2.9	-1.0	3,671	3,362	-8.4	3.7	3.1	-0.6
MINI	160	90	-43.8	0.5	0.2	-0.3	382	331	-13.4	0.4	0.3	-0.1
Mitsubishi	46	35	-23.9	0.1	0.1	0.0	186	178	-4.3	0.2	0.2	0.0
Nissan	1,287	1,337	3.9	4.1	3.7	-0.4	4,718	4,066	-13.8	4.8	3.8	-1.0
Other	93	141	51.6	0.3	0.4	0.1	226	434	92.0	0.2	0.4	0.2
Polestar	40	19	-52.5	0.1	0.1	0.0	124	62	-50.0	0.1	0.1	0.0
Porsche	244	307	25.8	0.8	0.8	0.0	818	819	0.1	0.8	0.8	0.0
Ram	535	455	-15.0	1.7	1.2	-0.5	1,711	1,390	-18.8	1.7	1.3	-0.4
Rivian	144	274	90.3	0.5	0.8	0.3	264	717	171.6	0.3	0.7	0.4
Subaru	1,349	1,371	1.6	4.3	3.8	-0.5	4,242	3,980	-6.2	4.3	3.7	-0.6
Tesla	3,206	5,211	62.5	10.3	14.3	4.0	9,934	15,433	55.4	10.1	14.3	4.2
Toyota	4,936	5,968	20.9	15.9	16.3	0.4	16,487	16,556	0.4	16.7	15.3	-1.4
Volkswagen	1,046	862	-17.6	3.4	2.4	-1.0	2,954	2,581	-12.6	3.0	2.4	-0.6
Volvo	278	343	23.4	0.9	0.9	0.0	908	1,037	14.2	0.9	1.0	0.1
Data sourced from	Experian Aut	omotive.					•					

The table shows new retail light vehicle (car and light truck) registrations in the San Diego County market. Figures are shown for the 3rd Quarters of '22 and '23, and year to date totals thru September. The top ten ranked brands in each change category are shaded yellow.