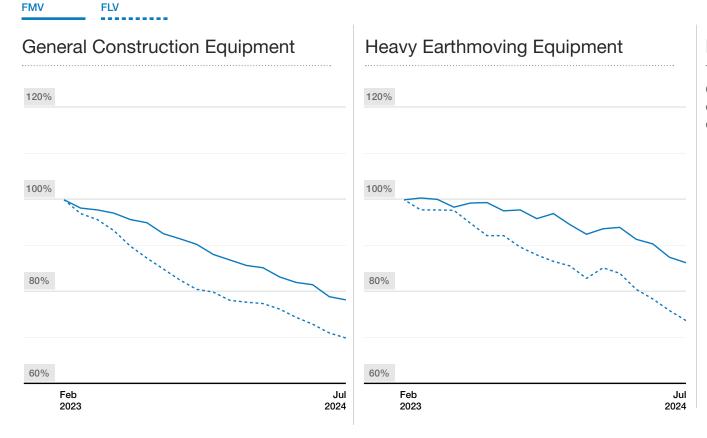


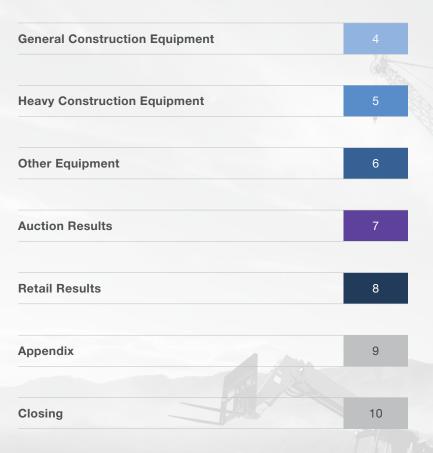
# Summary



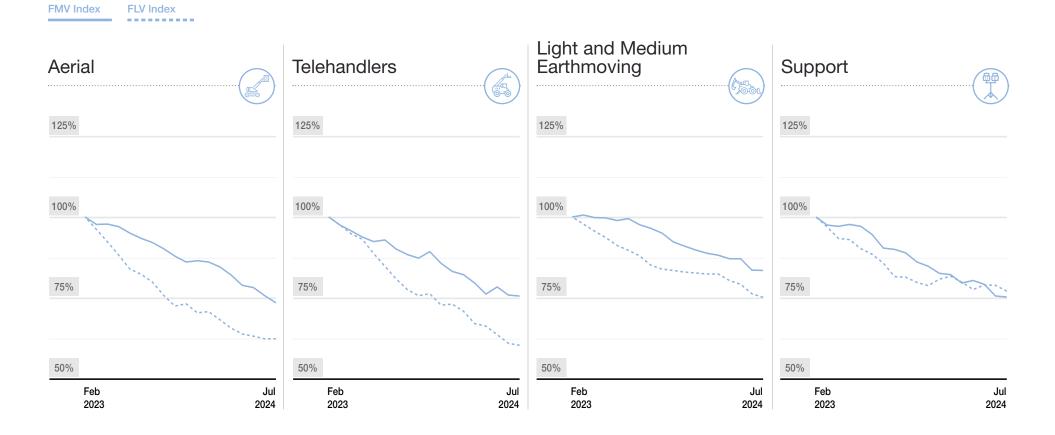
### Market Update

General construction equipment and heavy earthmoving equipment demonstrated slight monthover-month declines at both auction and retail.

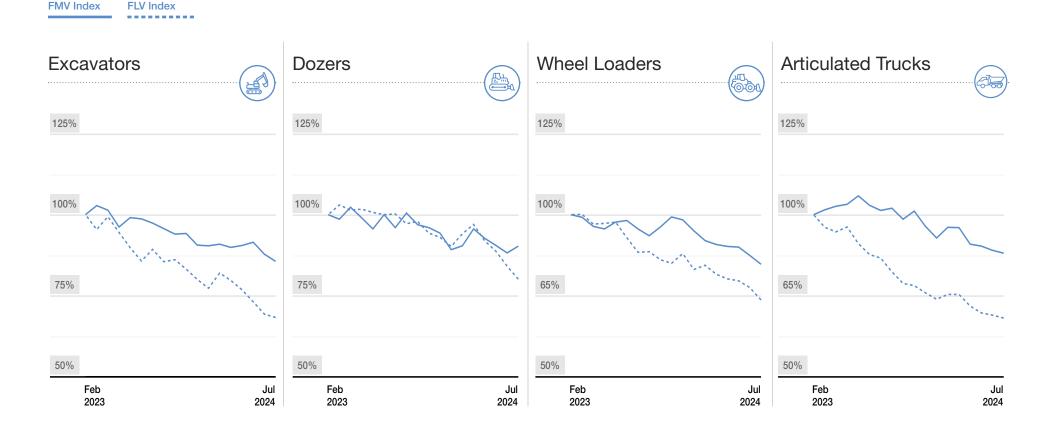
## Table of Contents



# General Construction Equipment



# Heavy Earthmoving Equipment

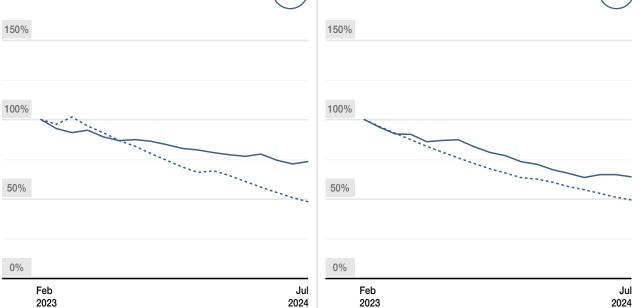


# Other Equipment

**FMV** Index

**FLV** Index



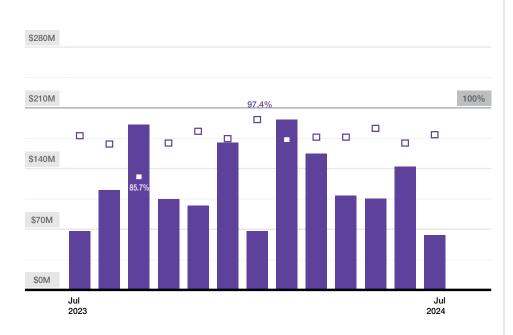


## Auction Results

Auction Proceeds

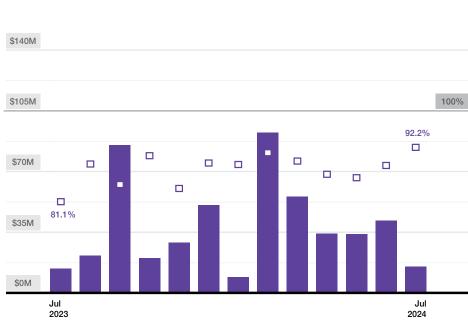
FLV Recovery

#### General Construction Equipment Results



Auction achievements were below the prior month's market benchmark for general construction equipment. Volume is slightly down year-over-year but remains at an elevated level relative to historical averages.

### Heavy Earthmoving Equipment Results

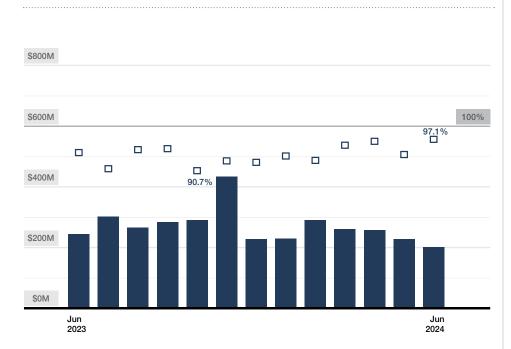


Auction achievements were below the prior month's market benchmark for heavy earthmoving equipment. Volume is flat year-over-year and remains at an elevated level relative to historical averages.

## Retail Results

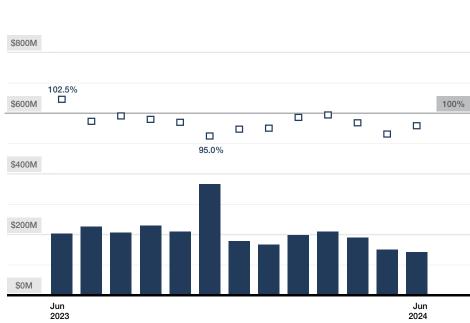
Retail Proceeds FMV Recovery

### General Construction Equipment Results



Retail achievements were below the prior month's market benchmark for general construction equipment. Volume is down year-over-year.

### Heavy Earthmoving Equipment Results



Retail achievements were below the prior month's market benchmark for heavy earthmoving equipment. Volume is down year-over-year.

## Appendix

#### Glossary

Fair Market Value ("FMV"): A professional opinion of the estimated most probable price expressed in terms of currency to be realized for property in an exchange between a willing buyer and a willing seller, with equity to both, neither being under any compulsion to buy or sell, and both parties fully aware of all relevant facts as of the effective date of the report. Additionally, this value is not discounted for assembling, cleaning, security, advertising, brokerage, or other disposal costs, if any.

Forced Liquidation Value ("FLV" or "AUCTION"): The estimated gross amount expressed in terms of money that the Equipment will typically realize at a properly conducted public auction when the seller is compelled to sell as of a specific date within a 60 to 90 day period. This amount does not account for Equipment make ready costs or transportation of the Equipment to the auction site. All Equipment to be sold piecemeal, "as is where is" with the purchaser being responsible for removal of the assets at purchaser's own risk and expense.

Value Index: Each monthly data point in any given value index represents the average recovery, as a percentage of cost, for six different model years of equipment ranging from three to eight years old, with each year weighted equally and indexed to 100% in the first period presented.

**Chart Constituents:** Each chart represents a composite value index that is equally weighted amongst its respective constituents.

**FLV Recovery:** The FLV recovery represents the aggregate performance of individual auction sales in any given month measured against the prevailing Rouse FLVs at the time of the sale. For example, an auction sale that took place in the month of July would be compared to the Rouse FLV for the same make-model-year equipment that was effective as of June 30th.

**FMV** Recovery: The FMV recovery represents the aggregate performance of individual retail sales in any given month measured against the prevailing Rouse FMVs at the time of the sale. For example, a retail sale that took place in the month of July would be compared to the Rouse FMV for the same make-model-year equipment that was effective as of June 30th.

#### **Equipment Index**

Chart	Constituents
General Construction Equipment	Aerial   Telehandlers   Light/Medium Earthmoving   Support
Aerial	Telescopic Booms   Articulating Booms   Scissor Lifts
Telehandlers	Telehandlers
Light/Medium Earthmoving	Backhoe Loaders   Compact Track Loaders   0-179 HP Dozers 0-74,999 Lb Excavators   Skid Steer Loaders   0-189 HP Wheel Loaders
Support	Air Compressors   Generators   HVAC   Lighting Equipment
Heavy Earthmoving Equipment	75,000+ Lb Excavators   180+ HP Crawler Dozers   190+ HP Wheel Loaders   Articulated Trucks   Motor Graders
Excavators	75,000+ Lb Excavators
Dozers	180+ HP Crawler Dozers
Wheel Loaders	190+ HP Wheel Loaders
Articulated Trucks	Articulated Trucks
Forklift Trucks	Forklift Trucks
Truck Tractors	Truck Tractors

## Closing

#### **About Rouse**

Rouse is the construction equipment industry's leading information services company. We deliver the most accurate and reliable information in the rental and construction industries. Our powerful suite of services includes valuations, used equipment sales support and rental metrics benchmarking. Rouse Services provides the knowledge you need to make more informed business decisions.

#### Rouse Appraisals

Rouse Appraisals provides rental companies, construction equipment dealers, and their investors and lenders with the most accurate appraisals and equipment valuation information available. On an annual basis, Rouse Appraisals values approximately \$55 billion of equipment, tracks approximately 90,000 unique make / models, and analyzes nearly \$42 billion of retail, auction, and trade-in sales of used equipment.

**Contact our Appraisals Team** 

appraisals@rouseservices.com

#### Rouse Fleet Manager

Rouse Fleet Manager is a clean and intuitive, self-serve platform with a fully featured native mobile app for rental companies and fleet owners to manage their equipment assets. The platform is free to use with an easy upload feature that will automatically validate and transform data into proper OEM-issued makes and models, as well as store photos, maintenance records, log notes and more. For an additional cost, subscribers gain equipment insights with precise, machine-specific equipment values to help equipment owners buy, sell and plan. With Rouse Fleet Manager it's easy to sell inventory across multiple Ritchie Bros. transaction solutions, including Ritchie List, Marketplace-E, IronPlanet, and live auctions.

**Contact our Fleet Manager Team** 

info@rouseservices.com

#### Rouse Rental Insights

Rouse Rental Insights collects nightly information on over \$44 billion in rental invoices per year and over \$100 billion of fleet from more than 350 participating rental companies and dealers across the globe. The platform provides rental fleets with industry benchmarks in their local market such as: rental rates, utilization, and other key performance metrics to help make smart business decisions. Metrics used are calculated according to the American Rental Association's Rental Market Metrics™ standards.

**Contact our Rental Insights Team** 

analytics@rouseservices.com