



Hydraulic and Pneumatic Industry Trends with NFPA

The National Fluid Power Association (NFPA) is the leading source of hydraulic and pneumatic industry data.

Plan Your Next Move

NFPA's industry reports, outlook surveys, forecasts, and data sources allow our members to understand trends and anticipate change with a variety of trend graphs and data analysis for fluid power products, customer markets, and economic indicators.

Expert Analysis and Hard Data

Dynamic conferences, meetings and webinars keep our members up to date on the latest economic conditions, emerging trends, and industry insights for today's ever-changing economic climate.

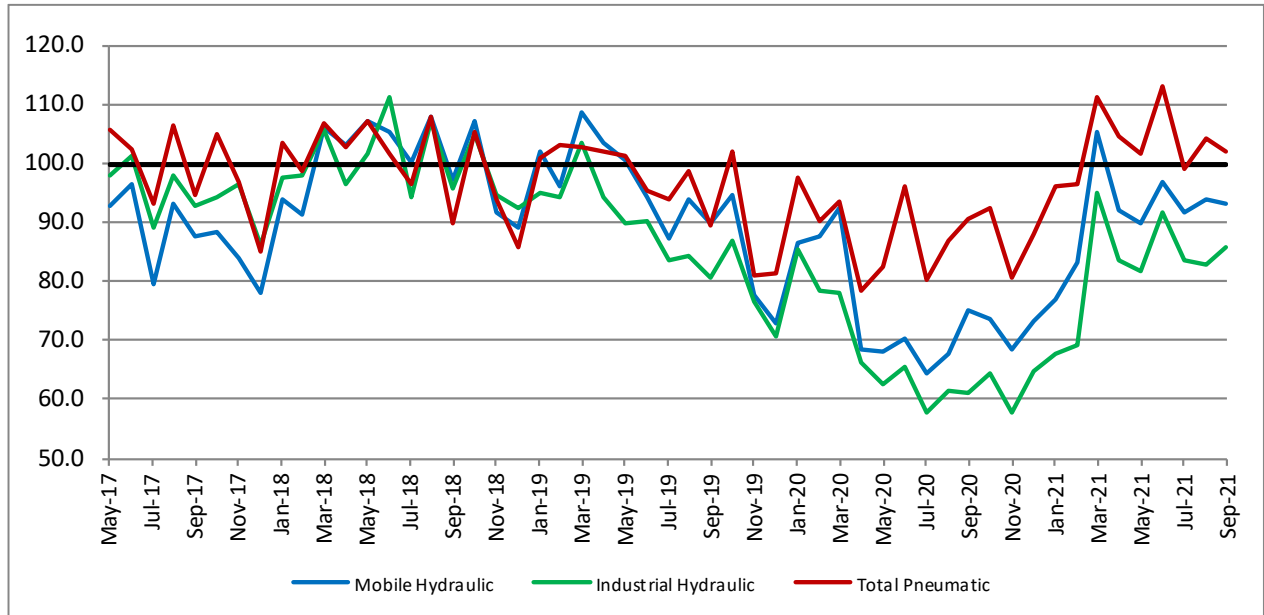
You have the Ideas, We Provide the Tools

From point-and-click online tools that automate time-consuming calculations, trend analysis, and custom forecasting to a user-friendly web dashboard that allows members custom access to industry information.

Find out how to become part of NFPA, or get more information on NFPA Market Information, by contacting Pete Alles at palles@nfpa.com or 414-778-3350.

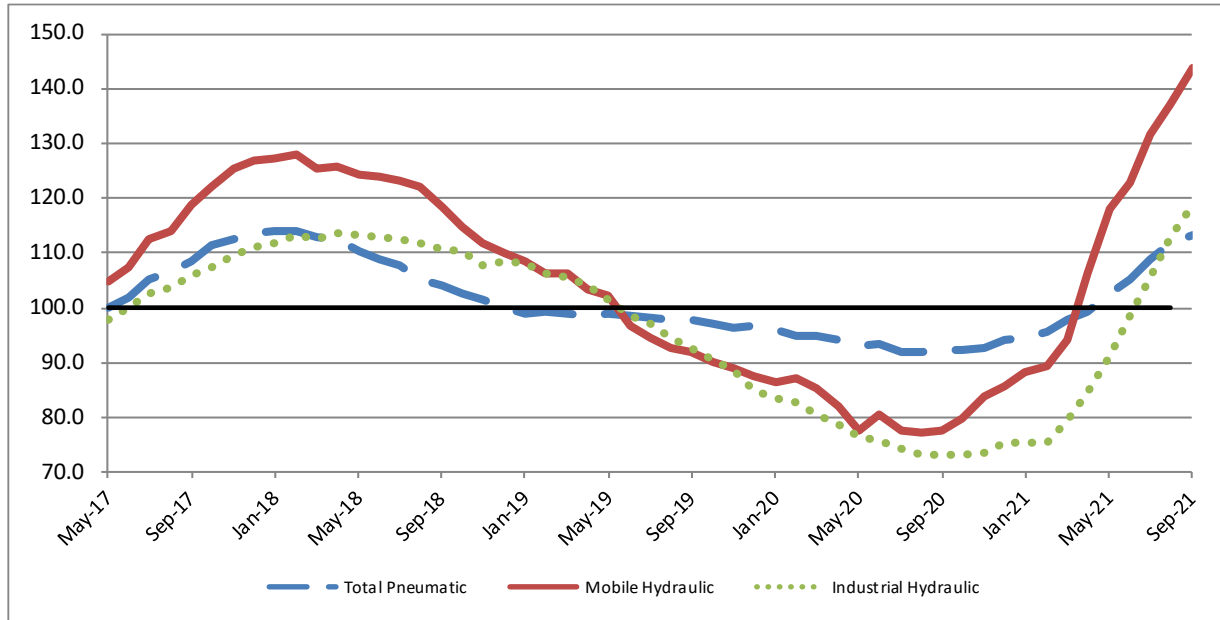
Hydraulic and Pneumatic Shipments

Raw Index Data, Index: 2018=100



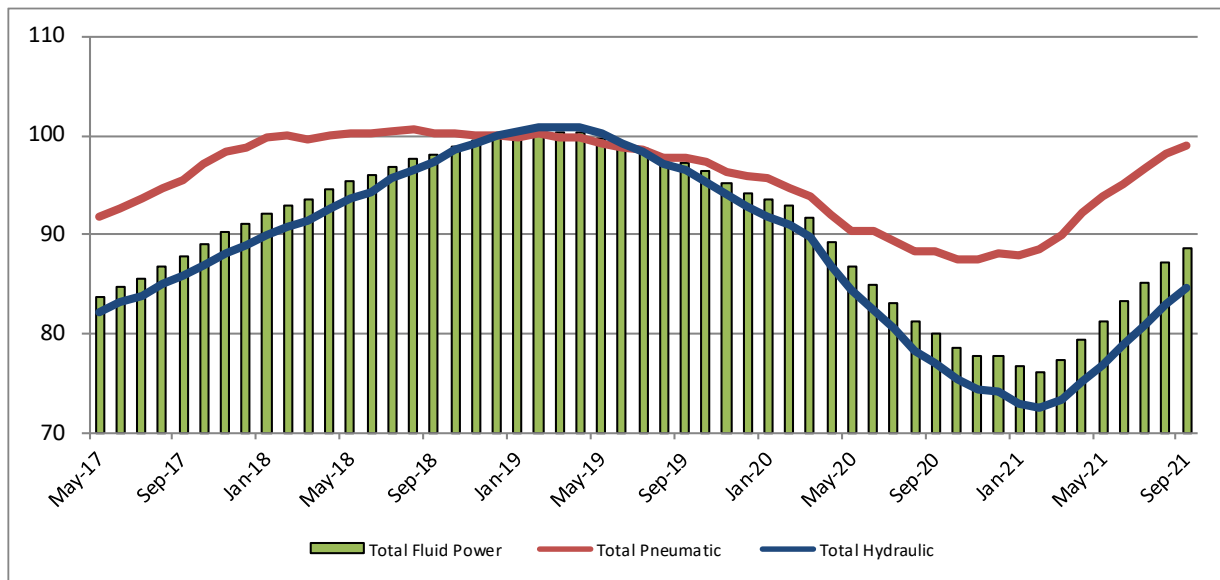
This graph of raw index data is generated by the total dollar volume reported to NFPA by CSS participants and compared to the average monthly dollar volume in 2018. For example, the September 2021 total dollar volume for pneumatic shipments is 102.1% of the average monthly dollar volume in 2018. (Base Year 2018 = 100)

Pneumatic, Mobile, and Industrial Hydraulic Orders 12/12 Ratio




Each point on this graph represents the most recent 12 months of orders compared to the previous 12 months of orders. Each point can be read as a percentage. For example, 118.9 (the September 2021 level of the industrial hydraulic series) indicates that industrial hydraulic orders received from October 2020 to September 2021 were 118.9% of the orders received from October 2019 to September 2020. (Base Year 2018 = 100)

Total - Hydraulic and Pneumatic Shipments 12 Month Moving Average



This graph of 12-month moving averages shows that in September 2021, the moving average for shipments increased across the board. (Base Year 2018 = 100)

Shipments – Cumulative year-to-date % change (2021 vs. 2020)



	Total Fluid Power	Total Hydraulic	Total Pneumatic
	Shipments	Shipments	Shipments
Jul-21	15.7	15.2	16.7
Aug-21	17.7	17.7	17.1
Sep-21*	18.5	18.7	16.6

*Preliminary data subject to revision.

The table above is expressed in terms of cumulative percent changes. These changes refer to the percent difference between the relevant cumulative total for 2021 and the total for the same months in 2020. For example, September 2021 pneumatic shipments figure of 16.6 means that for the calendar year through September 2021, pneumatic shipments increased 16.6% compared to the same time-period in 2020.

Fluid Power Industry Growth Trend

The latest data published by the National Fluid Power Association shows the 12 month moving average of shipments for pneumatic, hydraulic, and total fluid power continue to grow. These averages have been growing at a steady rate since February of this year. Year-to-date % changes for fluid power continue to grow with a 18.5% change in September 2021. Mobile hydraulic orders received from October 2020 to September 2021 are currently 143.8% of the orders received from October 2019 to September 2020. When looking at raw index data, industrial hydraulic shipments are slightly up from last month, while mobile hydraulic and pneumatic are slightly down. These charts are drawn from data collected from more than 80 manufacturers of fluid power products by NFPA’s Confidential Shipment Statistics (CSS) program. Much more information is available to NFPA members, which allows them to better understand trends and anticipate change in their market and the customer markets they serve. Contact NFPA at 414-778-3344 for more info.