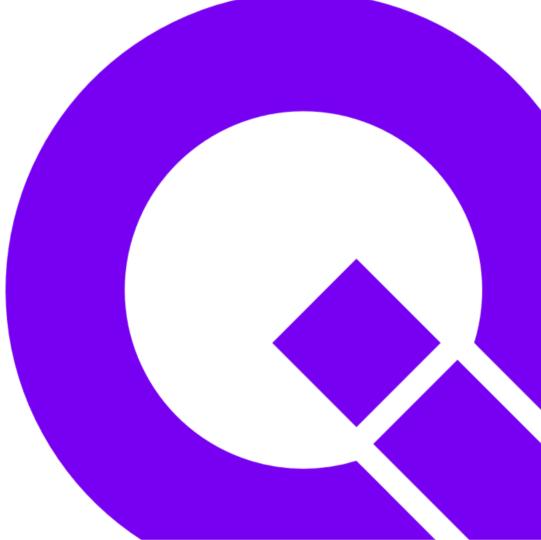
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Industry Trends

February 2023



Included retail ecommerce metrics



Included Metrics

- Replenishable OOS
- Revenue Lost to OOS
- Units Ordered Index
- Fill Rates



Included Metrics

- Price Index
- Gross Unit Margin
- OPS



- Ad Spend Index
- Return on Ad Spend
- Cost-Per-Click

Executive Summary: February 2023



Supply chain stable but worse YoY

Highlights

- Revenue lost due to OOS is 14% higher than YoY, but units OOS is the similar YoY
- Units ordered is once again down 24% vs. last month as Amazon pulls back on orders
- Fill rates rise 7 pp as a result, up 30 pp from last year



Growth and prices continue to be cool

Highlights

- Price levels rise 5% YoY, weaker than average
- OPS growth low at 2% in Feb, similar growth to past months
- Gross unit margin is stable but lower than at this time last year by 3-5 pp.



Ad spend falls across AMZ, WMT

Highlights

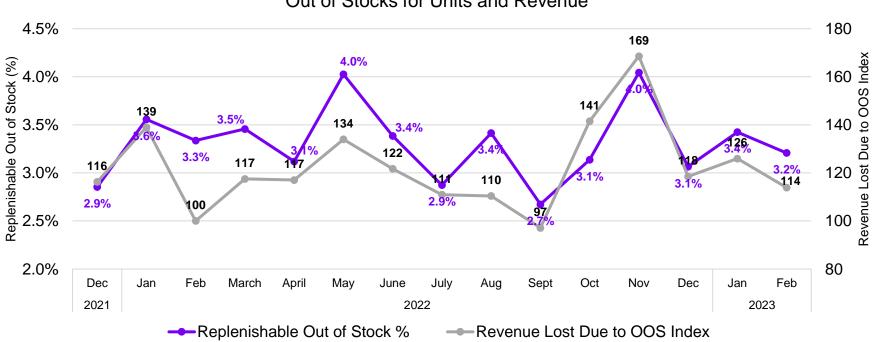
- Amazon ad spend fell 16%, now at similar levels to YoY despite past growth
- ROAS jumped 7% vs. past month and still much higher than last year
- Walmart ad spend fell 60% from January and 17% YoY

Ecommerce has adapted to past supply chain shocks of 2022 but future stability is uncertain Consumers are still spending more but ecommerce sales and price growth have both cooled

Ad spend abruptly dropped off in February as vendors pulled back

OOS stable and comparable to last year on a per unit basis





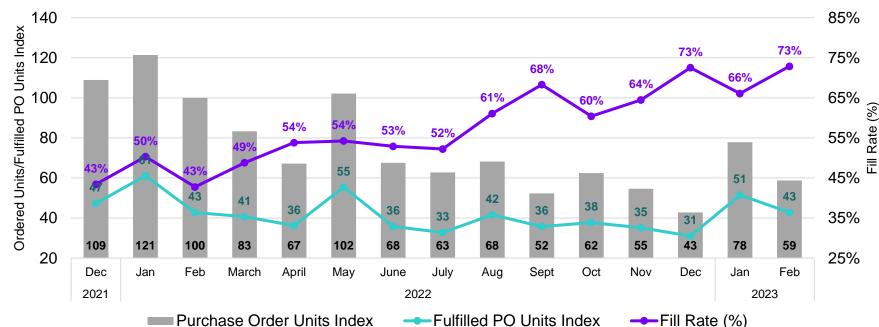
Out of Stocks for Units and Revenue

Note: Revenue lost due to OOS index set to 100 for February 2022 to create simpler comparisons for February 2023 All data taken from CommerceIQ clients in aggregate on Amazon

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Amazon cuts POs from January down 41% year over year





Purchase Order Units and Fill Rates

Note: Ordered units index set to 100 for February 2022 to create simpler comparisons for February 2023; Fulfilled PO Units Index = (PO Units Index) x (Fill Rate) All data taken from CommerceIQ clients in aggregate on Amazon

Price index only rises 5% YoY in February



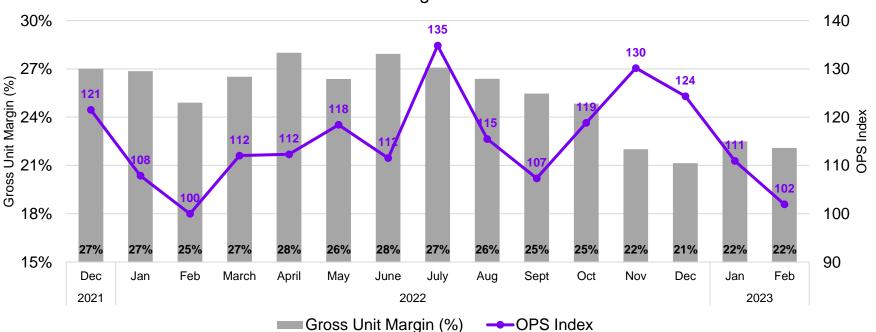


Note: Price index set to 100 for February 2022 to create simpler comparisons for February 2023 All data taken from CommercelQ clients in aggregate on Amazon

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OPS growth low for 3 straight months, up 2% in February; Gross unit margins steady, but down from last year





Gross Unit Margin and OPS Index

Note: OPS index set to 100 for February 2022 to create simpler comparisons for February 2023 All data taken from CommerceIQ clients in aggregate on Amazon

Ad spend moderates in February, now similar to last year's levels for the same month, ROAS still elevated



Note: Ad spend index set to 100 for February 2022 to create simpler comparisons for February 2023 All data taken from CommerceIQ clients in aggregate on Amazon

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Ad Spend Index and ROAS

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ROAS

CPCs down vs prior month and prior year as ad spend falls



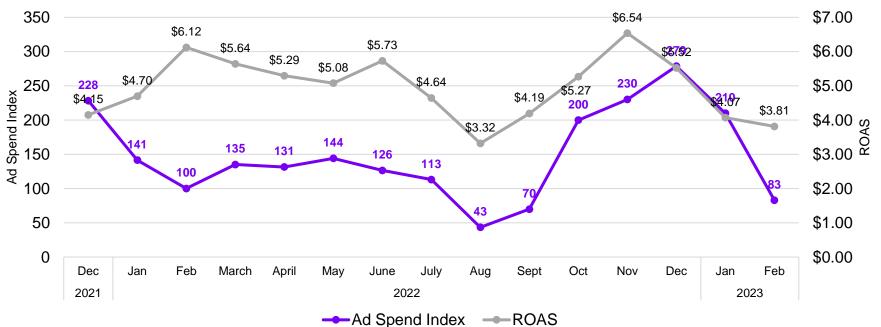




Note: All data taken from CommerceIQ clients in aggregate on Amazon

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Walmart ad spend falls off cliff for February, ROAS steady



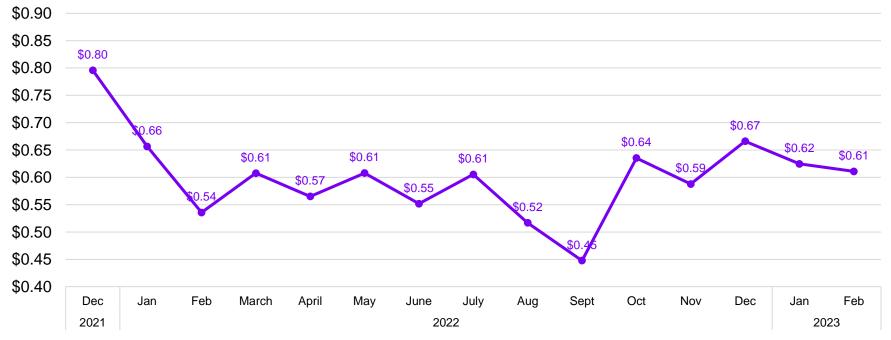
Walmart Ad Spend and ROAS

Note: Ad spend index set to 100 for February 2022 to create simpler comparisons for February 2023 All data taken from several CommerceIQ clients in aggregate on Walmart

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Walmart cost-per-click stays between \$0.50 to \$0.70 range

Walmart Cost-Per-Click



Note: All data taken from several CommercelQ clients in aggregate on Walmart

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