



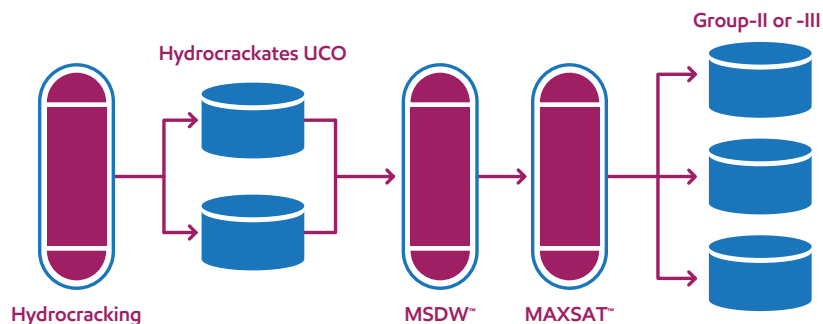
Low cost, high yield

Improve base stock quality and performance

Energy lives here

ExxonMobil's MAXSAT™ is a proprietary, state-of-the-art aromatic saturation catalyst that integrates well with lubes or fuels hydrocrackers or as a hydrofinishing step with hydrodewaxing technologies.

MAXSAT™ process



Hydrofinishing

Refiners use MAXSAT as a hydrofinishing catalyst to enhance the color, oxidative and thermal stability of the base stock. MAXSAT removes polynuclear aromatics (PNAs) and trace amounts of olefins. PNA equilibrium is controlled by reaction temperature and pressure. MAXSAT is highly efficient at aromatic saturation even in the presence of moderate amounts of polars.

Key benefits



Outstanding performance

- High yield for maximum productivity
- Outstanding base stock quality
- Minimal cracking to fuels

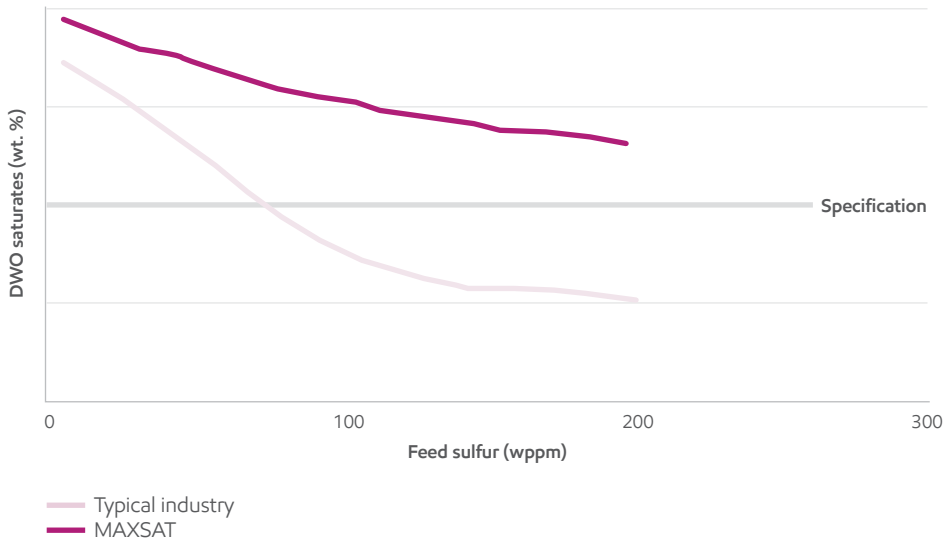


Low investment

- Short start-up for fast investment recovery
- Stable operation with long cycle life
- Process full range of viscosity grades to maximize value

Exceptional base stock products

MAXSAT is a noble-metal hydrofinishing catalyst with a proprietary support that is more polar tolerant and cost-effective than existing hydrofinishing catalysts. Due to its high sulfur tolerance and exceptional saturation capability, MAXSAT produces base stocks with excellent color and stability.



Proven performance

Commercially proven MAXSAT technology provides:

- High saturation activity
- High sulfur tolerance
- Low density

MAXSAT's low density helps limit catalyst cost by minimizing the total weight of hydrogenation metal needed. As a drop-in catalyst, MAXSAT has demonstrated excellent performance when integrated with other processing equipment.

About us

ExxonMobil helps refiners and petrochemical manufacturers increase capacity, lower costs, improve margins, reduce emissions and operate safe, reliable and efficient facilities. Along with a commitment to helping to implement best practices and to achieve better results, we provide cutting-edge proprietary catalysts and license advantaged process technologies for refining, gas and chemical needs.

No yield debit or quality issues observed over 13 years on the initial catalyst fill.

Collaborate with us today.
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