



Hydroprocessing

Unlock Profits From Challenging Feeds

ULTIMet™
High-Activity Catalyst

ULTIMet™ High-Activity Catalyst for Hydrotreating

Higher activity for higher yields and higher profits

Meeting stringent clean fuel specifications is always challenging, and it can be even more difficult when processing heavier feedstocks. The new ULTIMet™ hydrotreating catalyst from Honeywell UOP changes that. Significantly more active than conventional choices, it processes challenging feeds without the need for additional reactor space or higher pressure.

An Active Addition to the Unity Lineup

ULTIMet is the latest addition to Honeywell UOP's vast lineup of Unity catalysts. For more than 50 years, hydroprocessing customers have relied on Honeywell UOP for complete solutions — equipment, licenses, technical expertise and catalysts. Plus, UOP catalysts are universal and work with a range of equipment. That's why the complete catalyst selection is called Unity, and ULTIMet makes a great lineup even stronger.

UNITY HYDROTREATING							
DEMETALLIZATION			CLEAN FUELS			PRETREAT	
SI DEMET	As DEMET	Ni/V DEMET	FCC GASOLINE	NAPHTHA	DISTILLATE	FCC VGO PRETREAT	HYDROCRACKING PRETREAT
HYT-9110	UF-75	HYT-8109	HYT-2018	HYT-1118	HYT-4118	HYT-5119	HYT-6119
HYT-9119	UF-80	HYT-8119	HYT-2117	HYT-1119	HYT-6119	HYT-5219	HYT-6219
			HYT-2118	HYT-9129	HYT-6219		ULTIMet™ Now Available
			HYT-2119		ULTIMet™ Now Available		

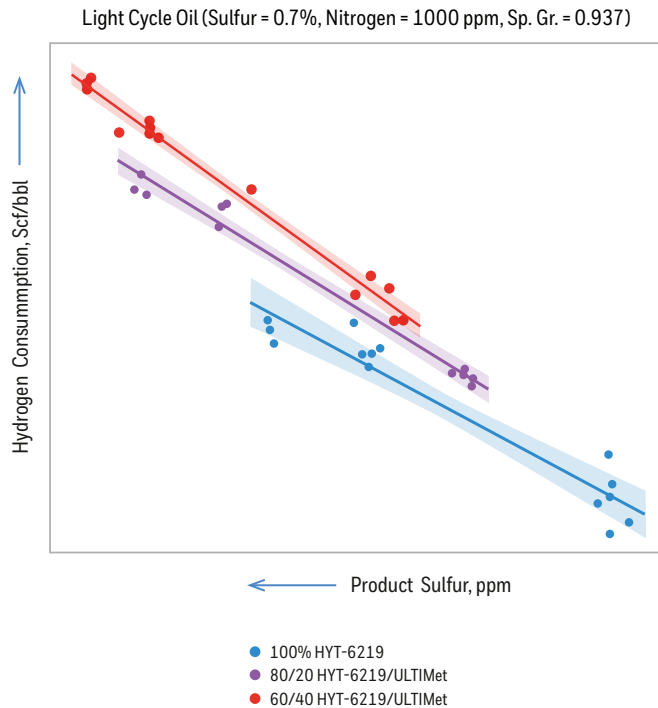
Achieve More

Opportunity crudes only provide an opportunity if you can efficiently process them. ULTIMet makes that happen. It's Honeywell UOP's most active hydrotreating catalyst, used in diesel and VGO hydrotreating applications to produce a higher-quality product while meeting tight environmental regulations.

- Get more profit from difficult feeds
- Go longer between catalyst change-outs
- Operate at higher feed rates to improve utilization
- Increased volume swell
- Works in existing units, so no capital investment is needed

ULTIMet in Action

ULTIMet is designed to work in conjunction with Honeywell UOP's HYT-6219 hydrocracking pretreat catalyst. A variety of configurations can be used to remove sulfur and nitrogen and retain cetane levels.



As this chart shows, ULTIMet thrives on activity with hydrogen in a range of mixtures.

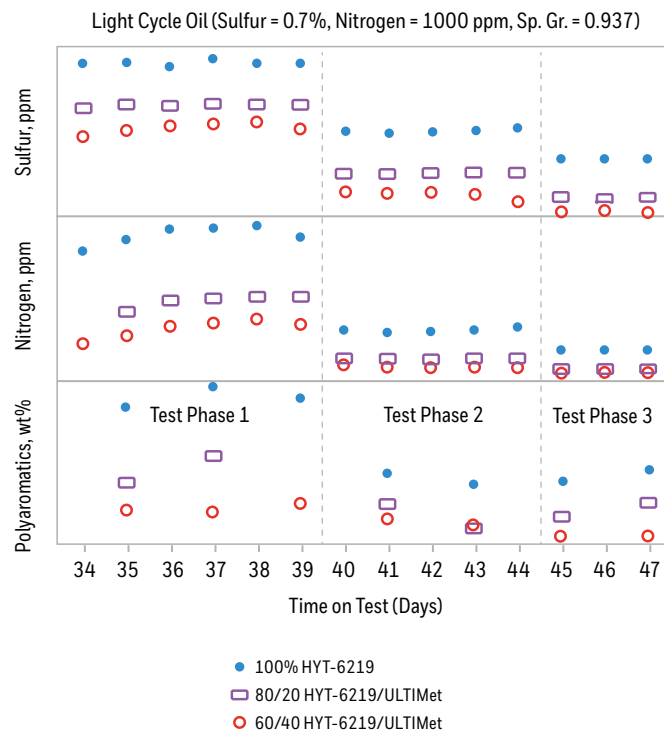
Feed Properties

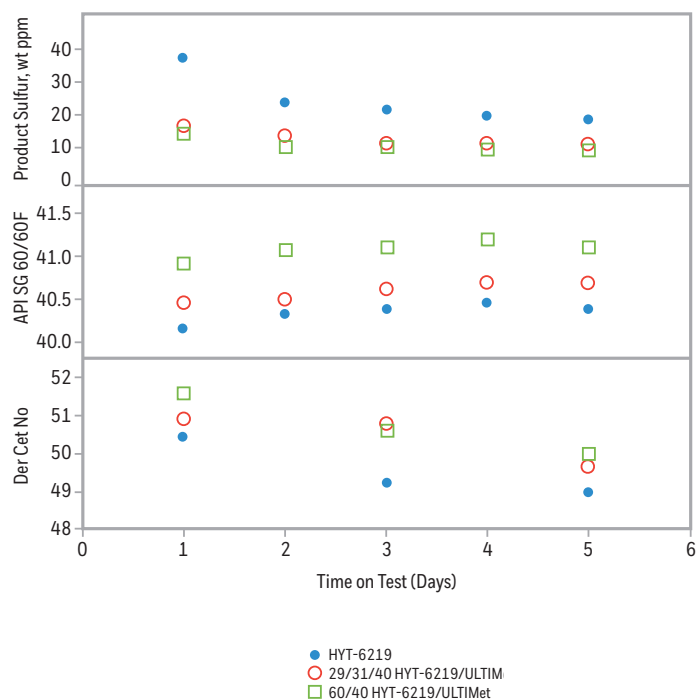
- LCO
- S = 0.7%
- N = 1000 ppm
- Sp. Gr. = 0.937

During a study of light cycle oil for hydrocracking, use of ULTIMet dramatically improved sulfur removal and API uplift in the presence of nitrogen.

Feed Properties

- LCO
- S = 0.7%
- N = 1000 ppm
- Sp. Gr. = 0.937





In this straight run diesel study, including ULTIMet significantly improved sulfur removal performance and cetane content. The results were even better for the 60/40 loading of just HYT-6219 and ULTIMet.

Feed Properties

- Straight Run Diesel
- S = 2%
- API = 34.6
- Cetane = 45.8

Customized Solution

To discuss processing objectives for your next catalyst reload as well as Honeywell UOP's pilot plant testing capabilities, reach out to your Honeywell representative.

Learn More

For more information about increasing profits with the Honeywell UOP ULTIMet catalyst, contact your Honeywell representative or visit uop.com.

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March 2018
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