

Patent-pending technology for conversion of spent hydroprocessing catalysts to high-performance tail gas treating catalysts

Description

EcoMax Catalyst Renewal brings the established technology of catalyst re-use to tail gas treating. In the patent-pending EcoMax process, spent hydroprocessing catalyst is treated to remove harmful contaminants and restore catalyst activity. This yields a tail gas catalyst that performs superior to many competitive tail gas catalysts - at a fraction of the cost and with minimal environmental impact.

EcoMax Catalyst Renewal is now offered as a component of Porocel's Sulfur Recovery solutions. This enables refiners to convert their hazardous waste (spent catalyst) into a valuable component of their sulfur recovery system.

EcoMax removes contaminants and restores catalyst activity.



Benefits

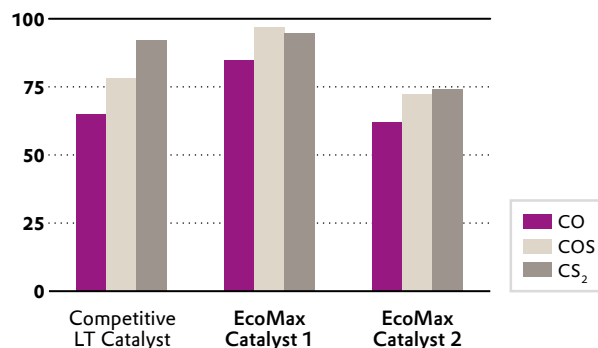
ECONOMICAL: 20-50% cost savings versus fresh CoMo tailgas catalyst

ENVIRONMENTAL: CO₂ emissions reduced by 10,000 lb per ton of catalyst replaced, and reduces catalyst waste to landfill

TESTED FOR PERFORMANCE: All EcoMax catalysts are tested for activity and pressure drop.

Porocel's facilities around the world have reprocessed catalyst for reuse for more than 40 years. Our facilities are ISO 9001 and ISO 14001 certified.

Component Conversion (%) at Low Temperature Conditions (220°C/430° F)



EcoMax catalysts display superior activity to many competitive catalysts.

Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

EVONIK OPERATIONS GMBH Business Line Catalysts

catalysts@evonik.com
www.evonik.com/catalysts
www.evonik.com