



World Leader in Catalyst Services

Regenerated Catalyst Uses and Applications

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TYPICAL REGENERATED CATALYST USES AND APPLICATIONS

<u>First Cycle</u>	<u>Condition</u>	<u>Potential Second Cycle</u>
Naphtha	Low contamination levels Large extrudates (1/10")	Similar service: reformer pretreat, low severity naphtha processing Void-space and activity grading, all applications
Kerosene	Low contamination levels Large extrudates (1/10")	Same and similar service: return to kerosene, low severity naphtha processing Void-space and activity grading, all applications
Diesel, LCO	Good surface area retention, low contamination levels Large extrudates (1/10")	Partial to full reactor fill in same application, maximum HDS naphtha through LCO Void-space and activity grading, diesel, LCO, maximum HDS application
VGO, Heavy Distillate Feeds	Low contamination levels, good surface area retention (possibly from trailing reactors or beds)	Naphtha through VGO service, all HDM applications (FCC Feed), activity grading in high severity service
Hydrocracker Pretreat	Low contamination levels, good physical condition	Naphtha through VGO service, all HDM applications (FCC Feed), activity grading in high severity service
Hydrocracking	Good surface area retention	Return to same service, replacement for some or all beds Limited uses for mild HC in distillate units
Residue HDS	High contamination levels	Ordinarily disposed



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