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catalytic reforming axens

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aromizing is axens continuous catalyst regeneration ccr reforming process expressly designed for aromatics production thanks to an advanced catalyst formulation affording unrivaled btx aromatics and hydrogen yields the aromizing technology drives performance of aromatics complex while offering low investment low operating costs and

catalytic reforming wikipedia

Apr 21 2024

catalytic reforming is a chemical process used to convert petroleum refinery naphthas distilled from crude oil typically having low octane ratings into high octane liquid products called reformates which are premium blending stocks for high octane gasoline

commercial bulletin octanizing aromizing axens

Mar 20 2024

octanizing aromizing is axens solutions continuous catalyst regeneration ccr reforming technology this is the main contributor of gasoline and aromatics in the refining and petrochemical industry

reforming catalysts axens

Feb 19 2024

axens offer with over 170 commercial references the symphony catalysts offers advantages such as improved specific surface area retention higher specific surface area is associated with improved regeneration pt re dispersion and better chloride retention

residue hydroconversion hydroprocessing axens

Jan 18 2024

hyvahl is a high performance rds process with a perfect commercial operation safety record it has been employed both for improving residue quality for use as an fcc feed and for the production of ultra low sulfur fuel oil ulsfo addressing thus imo 2020 targets

3 questions to xavier decoodt on catalytic reforming axens

Dec 17 2023

three of axens aromizing units using a continuous catalytic regenerative ccr reforming process will contribute to maximize aromatics production of china s first crude to paraxylene complex hengli group

octanizing reformer options digitalrefining

Nov 16 2023

the axens ccr reforming process is schematically represented in figure 1 including key features for producing high octane gasoline or aromatics rich petrochemical streams from naphtha the catalyst circulation systems of these reformers are designed for long and active catalyst service as well as ease of operation and maintenance

commercial bulletin apc for ccr reforming resources axens net

Oct 15 2023

skilfully exploiting multivariable predictive control on ccr reforming unit is a key factor to succeed in first class process optimization accurately maintains reformate quality octane or aromatics content depending on scheme while maximizing reformate yield and capacity of the unit

symphony reforming catalysts for ccr axens

Sep 14 2023

boost selectivity and reduce operating costs using symphony catalysts for ccr designs

catalytic cracking axens

Aug 13 2023

axens has developed the new flexene technology to expand the capabilities of the fcc process which is the main refinery conversion unit traditionally oriented to maximize gasoline and at times propylene production

uop ccr platforming process for motor fuel production datasheet

Jul 12 2023

the ccr platforming process efficiently converts paraffins and naphthenes to aromatics with as little ring opening or cracking as possible figure 2 illustrates the key reactions

catalytic reforming axens

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semi reg reforming continuous catalyst regeneration ccr reformer design is similar to a fixed bed semi regenerative design with heaters between each reactor and a recycle gas compressor in order to reduce coke make

alternative routes to paraxylene production digitalrefining

May 10 2023

to maximise aromatics production the reforming reactions take place at high temperatures and low pressures using a highly selective and robust catalyst ar 501 and axens ccr technology this unit is similar in function and layout to its gasoline ccr reforming counterpart known as octanizing

pr bangchak petroleum selects axens ccr octanizing

Apr 09 2023

the project consists in a grassroots octanizing tm unit ccr reforming unit for gasoline production with a design capacity of about 12 000 bpsd to produce high quality reformate a blend component for high octane gasoline

combating green oil formation in a ccr reformer axens

Mar 08 2023

combating green oil formation in a ccr reformer ccr reformer units need chloride injection during regeneration to promote platinum dispersion and to restore catalyst acidity this leads to hydrogen chloride formation and a highly viscous green oil may also be formed at some locations in the unit this is one of the main reasons why the

axens ccr reforming octanizing technology to thailand refinery

Feb 07 2023

as part fo its energy effeciency and environment improvement project bangchak petroleum selected axens continuous catalyst regeneration ccr reforming octanizing technology to produce high quality reformate a high octane blending stock for bangkok thailand refinery gasoline pool

axens company profile hydrocarbon processing

Jan 06 2023

axens is a group providing a complete range of solutions for the conversion of oil and biomass to cleaner fuels the production and purification of major petrochemical intermediates as well as all of natural gas treatment and conversion options

thermal process axens

Dec 05 2022

axens visbreaking technology is a commercially proven process with over 25 commercial references it consists of mild thermal cracking applied to residues visbreaking mode vb or heavy vgo or dao thermal cracking mode tc the objective is to reduce the feed viscosity for stable fuel oil usage and produce the maximum quantity of cracked

petrochemicals process catalyst adsorbent equipment axens

Nov 04 2022

the petrochemical industry relies upon a wide range of intermediate products and processes to turn source materials into finished goods axens provides efficient and reliable technologies along with class leading catalysts and adsorbents for the production and purification of olefins and aromatics

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