



Hoekstra Trading LLC
November 1, 2017

Hoekstra Research Report 5

Catalyst testing for diesel desulfurization

Hoekstra Trading LLC is pleased to offer our *Hoekstra Research Report 5* for a price of \$50,000:

The report includes the following:

1. Section 1 – Results of pilot plant run GH-10
2. Section 2 – Results of pilot plant run GH-11
3. Section 3 – Competitive analysis
4. Attachments
5. PowerPoint presentation for client meeting.

Items 1-4 will be delivered immediately upon receipt of a purchase order. Item 5 will be delivered in a face-to-face meeting or remote web conference to last at least one hour at a time that is convenient for you.

In addition, your purchase of this report will include six months of unlimited phone and E-mail consultation on your use of the information in the report.

There are no restrictions on what the recipient can do with the information in this report.

Attached are the Table of Contents and a sample invoice showing the information needed to issue a purchase order. This offer is valid until December 31, 2023.

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Hoekstra Research Report 5

Catalyst Testing for Diesel Desulfurization

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- Catalyst performance curves
- Temperature for 10 ppm product sulfur
- Effect of 20% LCO Addition
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- Hydrogen Consumption
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- Catalyst ranking at 725 psi (50 bar) pressure
- Summary Tables of Results from Run GH-10

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SECTION 3 – COMPETITIVE ANALYSIS

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- Criterion Centera catalysts
- REACT Reactivated catalysts
- The effect of difficult feeds on catalyst selection
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ATTACHMENTS

1. Haldor Topsoe AFPM paper AM-14-19, “TK-609 HyBRIM”
2. Criterion/Petrobras presentation “Petrobras ulsd revamp”
3. Criterion article, “Oil sands derived feed processing
4. Albemarle article “Catalyst reactivation”

- 5. Hoekstra Trading article, "Effects of feed from the 10-20 test"
- 6. Catalysis Today article, "Effects of organic nitrogen compounds"



SAMPLE INVOICE

DATE: SAMPLE
 INVOICE NUMBER: SAMPLE

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PNC Bank of Ohio ABA number 071921891 account number **4712186382**

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EIN 26-3221486

TO: _____	
Payment terms	Due date
30 days from invoice	

quantity	description	unit price USD	line total USD
	Reference PO Number _____		
1	Report, Hoekstra Research Report 5	\$50,000	\$50,000
1	Client presentation delivered in remote web conference	No charge	
1	Unlimited phone and E-mail consultation for 6 months on matters related to use of the report	No charge	
		Total	\$50,000