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*Train your Engine with Kixx !!!*

# GS Caltex Lubricants

2010. 08.25

Lubricants Global Marketing Team

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- Overall
- Lubricants
- Base Oil

## **GS Group's Core Company**

***"The Leader in Providing Total Energy Service"***

***operating 6 subsidiaries with 2,800 employees***









- **Sales Revenue :**      **US \$ 21 Billion/Year (2009)**
- **Business Field :**    **Petroleum & Petrochemical**  
                                 **Lubricants**  
                                 Power generation  
                                 LNG & City gas supplying  
                                 Alternative energy  
                                 Convenience retail  
                                 e-Business  
                                 New and Renewable Energy



# GS Caltex Corp. (2/2)

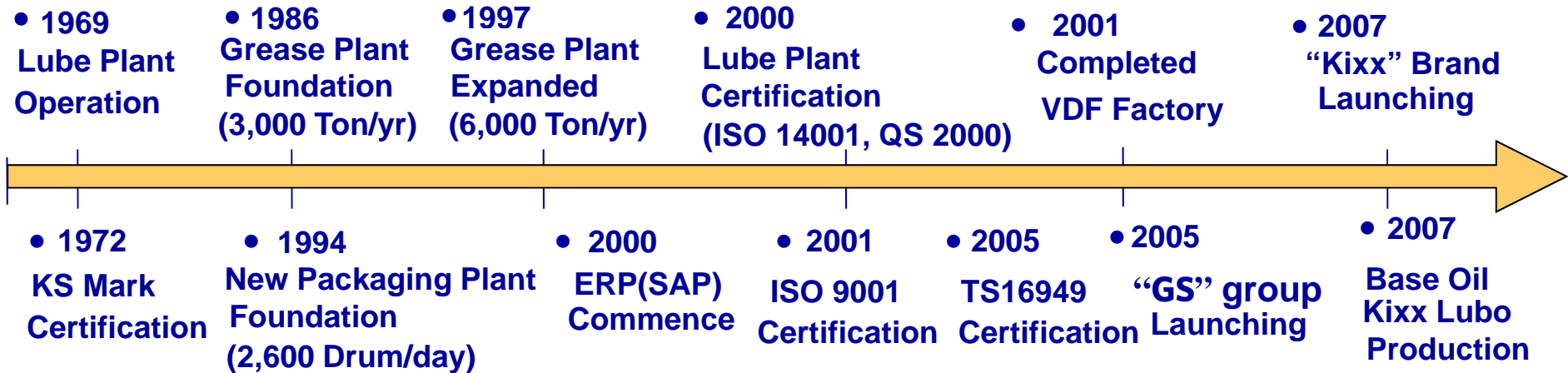
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**GS Caltex has been successfully operating oil and petrochemical businesses as well as diversifying into other energy sectors over the past 40 years and has established itself as the leader in the industry.**

Refining	Marketing	Petrochemicals	Lubricants	Upstream	City Gas	Power	New Energy
							
<b>CDU</b> 840 MBPSD  <b>RFCCU</b> 94 MBPSD  <b>KD-HDS</b> 262 MBPSD  <b>Hydrocracker</b> 61 MBPSD	<b>Service Station</b> 3,574  <b>LPG</b> Filling Station 416  <b>Market Share</b> Mogas 32.1% Diesel 29.0%  (As of Nov. 2009)	<b>Aromatics</b> 2,800 KMTA • P-X 1,200 • Benzene 900 • Toluene 170 • M-X 530  <b>Polypropylene</b> 180 KMTA	<b>Lubricant</b> Blending 9,000 BPSD  <b>Grease</b> 8,000 Ton/Yr  <b>Lube Base Oil</b> 23,000 BPSD	<b>Cambodia</b> Block-A (15%)  <b>Thailand</b> L10/43, L11/43 (30%)  <b>Vietnam</b> 122 (15%)  *GS Holdings is also actively participating in upstream activities	<b>Seorabeol</b> 100% <b>Haeyang</b> 100% <b>Kangnam</b> 35% <b>Kyungnam</b> 19% <b>Sales Volume:</b> 2,345 KMTA <b>Households :</b> 1.1 million	<b>100%ownership</b>  <b>Power Capacity:</b> 950 MW  <b>Heat Capacity:</b> 1,419 Gcal/H  <b>Households:</b> 252,000	<b>Fuel Cell</b>  <b>Thin Film Battery</b>  <b>Activated Carbon</b>  <b>Biobutanol</b>  <b>BioDiesel</b>  <b>Waste to Energy Recovery</b>  <b>Photovoltaic</b>  <b>Cathode Material</b>

# Overview of GS Lubricant Business (1/2)

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# Overview of GS Lubricant Business (2/2)

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## ■ Production Capacity

- Lubricants : 9,000 BPCD (2,600,000 Drum/Year)
- Greases : 8,000 Ton/Year

## ■ Sales Performance in 2009

- Sales Volume : 1,200,000 Drum/Year
- Sales Revenue : US \$ 350 Million/Year
- Market Share in Korea : 23%
- World 22<sup>nd</sup> Large Volume (M/S 0.6%)

## ■ Quality Certification

- ISO 9001/14001, QS 9000, TS16949

# GS Caltex Lubricant Product

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- **Automotive Lubricants**

- Gasoline Engine Oil
- Diesel Engine Oil
- Automotive Gear Oil
- Automatic Transmission Oil
- Anti-Freeze
- Brake Fluid

- **Industrial Lubricants**

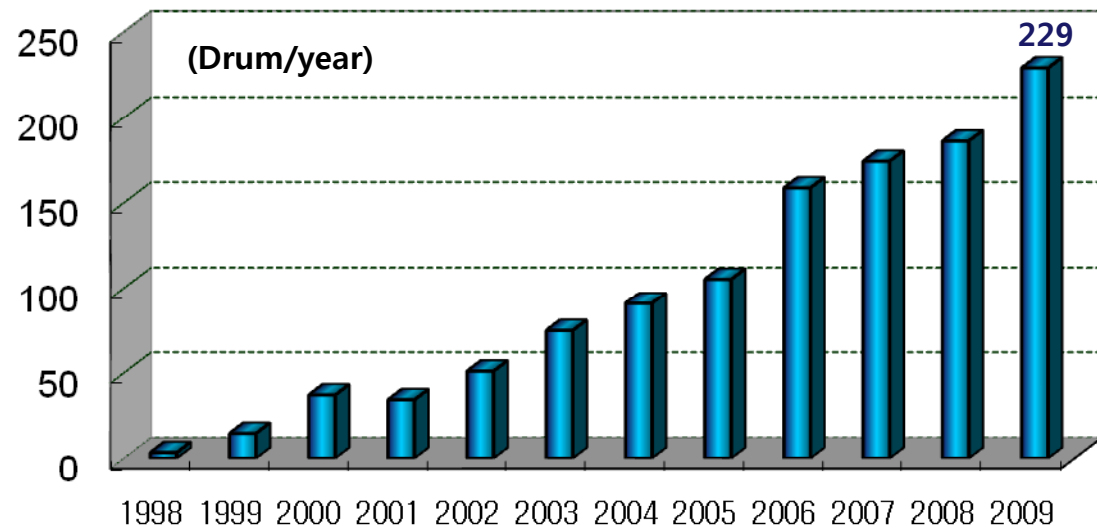
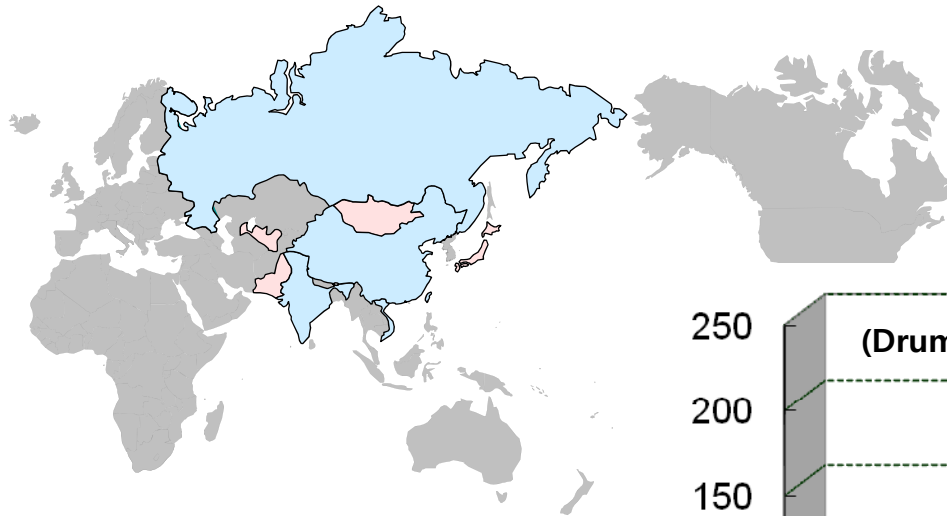
- Hydraulic Oil
- Gear Oil
- Turbine Oil
- Machine Oil
- Compressor Oil
- Grease

- **Marine Oil**

# GS Lubricant Export

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- **GS Caltex is exporting lubricants to over 25 overseas countries.**
- **Main Countries**  
: China, Russia, India, Vietnam, Taiwan





# Gasoline Engine Oil

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# Diesel Engine Oil

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# GS Caltex Base Oil Plant Introduction

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- **Basic Design**

Producing High Quality Group-II and Group-III lube base oils with the newest technology facility.

- ❖ **Total Production Volume : 23,000 BPCD**

- ❖ **Group II : 150N / 325N / 600N**

- ❖ **Group III : 2cst / 4cst / 6cst / 8cst**

**Start-Up : October, 2007**



***Thank you***

