China Commercial Vehicle Exhaust Emission System Industry Report, 2018-2023

December 2018
STUDY GOAL AND OBJECTIVES
This report provides the industry executives with strategically significant competitor information, analysis, insight and projection on the competitive pattern and key companies in the industry, crucial to the development and implementation of effective business, marketing and R&D programs.

REPORT OBJECTIVES
◆ To establish a comprehensive, factual, annually updated and cost-effective information base on market size, competition patterns, market segments, goals and strategies of the leading players in the market, reviews and forecasts.
◆ To assist potential market entrants in evaluating prospective acquisition and joint venture candidates.
◆ To complement the organizations’ internal competitor information gathering efforts with strategic analysis, data interpretation and insight.
◆ To suggest for concerned investors in line with the current development of this industry as well as the development tendency.
◆ To help company to succeed in a competitive market, and

METHODOLOGY
Both primary and secondary research methodologies were used in preparing this study. Initially, a comprehensive and exhaustive search of the literature on this industry was conducted. These sources included related books and journals, trade literature, marketing literature, other product/promotional literature, annual reports, security analyst reports, and other publications.
Subsequently, telephone interviews or email correspondence was conducted with marketing executives etc. Other sources included related magazines, academics, and consulting companies.

INFORMATION SOURCES
The primary information sources include Company Reports, and National Bureau of Statistics of China etc.
Abstract

On June 22, 2018, Ministry of Ecology and Environment of China releases Limits and Measurement Methods for Emissions from Diesel-fueled Heavy-duty Vehicles (China VI), marking China’s Phase-6 pollutant emission standard for motor vehicles will be enforced soon. Increasingly stringent motor vehicle emission standards also drive rapid development of the vehicle exhaust after-treatment system sector. Take diesel EGR market for example, installations soared from 520,000 units in 2012 to 1.58 million units in 2017 in the Chinese diesel EGR market, and were expected to hit 2.14 million units in 2023, representing a CAGR of 5.2% between 2017 and 2023, as implementation of environmental policies is strengthened and the number of relevant exhaust treatment systems increases.

Under the backdrop of the implementation of National Emission Standards V and the official launch of VI as well as with overall consideration of technologies, costs and availability of associated products, China has primarily adopted European technology roadmap for its own diesel vehicles: SCR for medium and heavy commercial vehicles and EGR+DOC/POC for light commercial vehicles. 683,800 sets of SCR systems for medium and heavy commercial vehicles were installed in 2017, compared with 1.58 million sets of diesel EGR systems for light commercial vehicles.

Different technological routes in the commercial exhaust emission system sector present distinct competitive landscape. In SCR field, local Chinese enterprises gain the upper hand with Wuxi Weifu Lida Catalytic Converter, Wuxi Kailong High Technology and Zhejiang Yinlun Machinery ranking from second to fourth with a market share of 20%, 17% and 11%, respectively, while Cummins (24%) taking the first place and Tenneco (9%) holding the fifth position. Wuxi Weifu Lida Catalytic Converter boasts excellent SCR technical competence with perfect R&D and production capabilities for core components except carriers in the whole industry chains. Cummins provides mature solutions to exhaust after-treatment systems covering engine emission control modules, OBD modules, vehicle urea-injection modules and SCR catalyst modules.

With regard to diesel EGR in China, BorgerWarner, Wuxi Longsheng Technology, Rheinmetall Automotive and Yibin TRD Auto Parts hold the lion’s share, 32%, 30%, 25% and 5% respectively. Wuxi Longsheng Technology provides a full range of products for EGR system including pneumatic and electric EGR valves meeting national emission standards, ECU suitable for off-road diesel engine, industry-leading tube-type and plate-fin EGR cooler, and supplementary pressure, temperature and gas sensors. BorgerWarner is a leader in the industry with a more complete product line for EGR system.
China Commercial Vehicle Exhaust Emission System Industry Report, 2018-2023 focuses on the followings:

◆ Development background, industry standards and policies, and major technological routes of commercial vehicle exhaust emission system industry;
◆ Development of SCR system and EGR system industries (system structure, market pattern, market size, and major carmakers supported);
◆ Development of downstream markets (production and sales of commercial vehicles, including bus and truck, as well as the prediction);
◆ Nine major SCR system producers, six EGR system producers, and four POC/DOC catalyst producers in China (operation, related product business, latest developments, development in China (mainly foreign companies), and enterprises using relevant products, etc.)
1. Overview of Commercial Vehicle Exhaust Emission System Industry
   1.1 Development Background
   1.2 Standard and Policy
       1.2.1 Standard
       1.2.2 Policies
   1.3 Technical Routes
       1.3.1 Introduction
       1.3.2 Technical Routes Contrast
       1.3.3 Technical Routes in Major Countries

2. Development of SCR System and EGR System Industries
   2.1 SCR System
       2.1.1 System Composition
       2.1.2 Market Size
       2.1.3 Market Pattern
       2.1.4 Supporting Enterprises
   2.2 EGR System
       2.2.1 System Composition
       2.2.2 Market Size
       2.2.3 Market Pattern
       2.2.4 Supporting Enterprises

3. Downstream Market
   3.1 Overall Development
       3.1.1 Definition and Classification
       3.1.2 Output and Sales Volume
   3.2 Truck and Incomplete Truck

3.3 Complete and Incomplete Bus
3.4 Forecast

4. POC and DOC Enterprises
   4.1 BASF
       4.1.1 Profile
       4.1.2 Operation
       4.1.3 Catalyst Products
       4.1.4 Catalyst Business Revenue
       4.1.5 Catalyst Business in China
   4.2 Umicore
       4.2.1 Profile
       4.2.2 Operation
       4.2.3 Catalyst Business
       4.2.4 Catalyst Business in China
   4.3 Act Blue
       4.3.1 Profile
       4.3.2 Operation
       4.3.3 Revenue Structure
       4.3.4 Gross Margin
       4.3.5 Production and Sales
       4.3.6 Catalysts
       4.3.7 Catalytic Converters
       4.3.8 Supporting Enterprises
       4.3.9 Fundraising
   4.4 Johnson Matthey
       4.4.1 Profile
       4.4.2 Operation
4.4.3 Business Structure
4.4.4 Catalyst Business
4.4.5 Johnson Matthey (Shanghai) Chemicals Ltd
4.4.6 Johnson Matthey Argillon (Shanghai) Emission Control Technologies Ltd.

5. EGR System Enterprises
5.1 Wuxi Longsheng Technology Co., Ltd
5.1.1 Profile
5.1.2 Operation
5.1.3 Revenue Structure
5.1.4 Gross Profit
5.1.5 Major Products
5.1.6 Supporting Enterprises
5.1.7 Projects Funded by Raised Money
5.1.8 Acquisition of Micro Research Precision
5.2 Yibin TRD Auto Parts Co., Ltd
5.2.1 Profile
5.2.2 Major Products
5.2.3 Supporting Enterprises
5.3 Zhejiang Jooloon
5.4 Rheinmetall Automotive
5.4.1 Profile
5.4.2 Operation
5.4.3 EGR Products
5.4.4 Development in China
5.4.5 Supporting Enterprises
5.5 BorgWarner

5.5.1 Profile
5.5.2 Operating Performance
5.5.3 Revenue Structure
5.5.4 EGR Products
5.5.5 Development in China
5.5.6 Supporting Enterprises
5.6 Keihin
5.6.1 Profile
5.6.2 Revenue
5.6.3 Revenue Analysis
5.6.4 Dong Guan Keihin Engine Management System Co., Ltd.

6. SCR System Enterprises
6.1 Weifu High-technology
6.1.1 Profile
6.1.2 Operation
6.1.3 Revenue Structure
6.1.4 Gross Margin
6.1.5 Production and Sales
6.1.6 R & D and Investment
6.1.7 Supporting Enterprises
6.1.8 Wuxi Weifu Lida Catalytic Converter Co., Ltd.
6.1.9 Performance Forecast
6.2 Zhejiang Yinlun Machinery
6.2.1 Profile
6.2.2 Operation
6.2.3 Revenue Structure
<table>
<thead>
<tr>
<th>6.2.4 Gross Margin</th>
<th>6.7.1 Profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.2.5 SCR Products and EGR Products</td>
<td>6.7.2 Operation</td>
</tr>
<tr>
<td>6.2.6 Main Clients</td>
<td>6.7.3 Revenue Structure</td>
</tr>
<tr>
<td>6.2.7 R&amp;D Investment</td>
<td>6.7.4 Gross Margin</td>
</tr>
<tr>
<td>6.2.8 Supporting Enterprises</td>
<td>6.7.5 Major Products</td>
</tr>
<tr>
<td>6.2.9 Performance Forecast</td>
<td>6.7.6 Major Clients</td>
</tr>
<tr>
<td>6.3 Kailong High Technology</td>
<td>6.8 Guangxi Sunlight Technology</td>
</tr>
<tr>
<td>6.3.1 Profile</td>
<td>6.8.1 Profile</td>
</tr>
<tr>
<td>6.3.2 Major Products</td>
<td>6.8.2 Supporting Enterprises</td>
</tr>
<tr>
<td>6.3.3 Production and Sales of Major Products</td>
<td>6.9 Tenneco</td>
</tr>
<tr>
<td>6.3.4 Main Clients</td>
<td>6.9.1 Profile</td>
</tr>
<tr>
<td>6.3.5 Fundraising</td>
<td>6.9.2 Operation</td>
</tr>
<tr>
<td>6.4 Powergreen</td>
<td>6.9.3 Revenue Structure</td>
</tr>
<tr>
<td>6.4.1 Profile</td>
<td>6.9.4 Development in China</td>
</tr>
<tr>
<td>6.4.2 Main Products</td>
<td>6.9.5 Supporting Enterprises</td>
</tr>
<tr>
<td>6.4.3 Supporting Enterprises</td>
<td>6.5 ECOCAT</td>
</tr>
<tr>
<td>6.5 Powergreen</td>
<td>6.5.1 Profile</td>
</tr>
<tr>
<td>6.5.2 Supporting Enterprises</td>
<td>6.5.2 Supporting Enterprises</td>
</tr>
<tr>
<td>6.6 Cummins</td>
<td>6.6.1 Profile of Cummins</td>
</tr>
<tr>
<td>6.6.1 Profile of Cummins</td>
<td>6.6.2 Operation</td>
</tr>
<tr>
<td>6.6.2 Operation</td>
<td>6.6.3 Revenue Structure</td>
</tr>
<tr>
<td>6.6.3 Revenue Structure</td>
<td>6.6.4 Cummins Emission Solutions</td>
</tr>
<tr>
<td>6.6.4 Cummins Emission Solutions</td>
<td>6.6.5 Cummins in China</td>
</tr>
<tr>
<td>6.6.5 Cummins in China</td>
<td>6.6.6 Supporting Enterprises</td>
</tr>
<tr>
<td>6.6.6 Supporting Enterprises</td>
<td>6.7 Beijing Greentec Environmental Protection Equipment</td>
</tr>
</tbody>
</table>
Selected Charts

- Share Ratio of Pollution Emission of Automobile in China, 2017
- Main Air Pollution Accidents in the Global History
- Main Effective Environmental Standards for Engine Emissions in China
- Implementation of Motor Vehicle Emission Standards in the 5th Phase in China
- Emission Regulation Upgrading Process of Heavy Vehicle in China
- Process of China's Emission Standards
- Related Policies on Commercial Vehicle Exhaust Emission System Industry in China
- Sketch Map of EGR and SCR Routes
- Contrast Between SCR and EGR Routes
- Development Course of Exhaust Emission Routes in Western Countries
- Exhaust Emission Routes of Commercial Vehicle Manufacturers in Europe after European IV Standard Implementing
- Exhaust Emission Routes in China after National IV Standard Phase
- SCR System Composition
- Cost Structure and Main Enterprises of Parts of SCR System
- Market Size of SCR System in China, 2014-2023E
- Major SCR System Enterprises and Capacities in China
- SCR System Market Shares in China, 2017
- SCR Catalytic Converter Suppliers of Major Chinese Automobile Manufacturers (National IV Standard)
- SCR Catalytic Converter Suppliers of Major Chinese Automobile Manufacturers (National V Standard)
- EGR System Composition
- Contrast among DOC, POC and DPF Routes
- Diesel EGR Installations in Chinese Market, 2014-2023E
- Diesel EGR Supporting Market Share in China, 2017
- POC+DOC Market Shares in China, 2017
- EGR Products Suppliers of Major Chinese Automobile Manufacturers (National IV Standard)
Selected Charts

- DOC Suppliers of Major Chinese Automobile Manufacturers (National IV Standard)
- DOC Suppliers of Major Chinese Automobile Manufacturers (National V Standard)
- Classification of Commercial Vehicle in China
- Output and YoY Change of Commercial Vehicle in China, 2008-2018
- Sales Volume and YoY Change of Commercial Vehicle in China, 2005-2018
- Output of Commercial Vehicle in China (by Types), 2005-2018
- Sales Volume of Commercial Vehicle in China (by Types), 2005-2018
- Output and YoY Change of Truck in China, 2005-2018
- Sales Volume and YoY Change of Truck in China, 2005-2018
- Output of Truck in China (by Types), 2005-2018
- Output of Incomplete Truck in China (by Types), 2005-2018
- Output and YoY Change of Bus (Completed and Incompleted) in China, 2005-2018
- Sales Volume and YoY Change of Bus (Completed and Incompleted) in China, 2005-2018
- Output of Complete Bus in China (by Types), 2005-2018
- Output of Incomplete Bus in China (by Types), 2005-2017
- Output and YoY Change of Commercial Vehicle in China, 2017-2023E
- Output and YoY Change of Bus (Completed and Incompleted) in China, 2017-2023E
- Output of Complete Bus in China (by Types), 2017-2023E
- Output and YoY Change of Commercial Vehicle in China, 2017-2023E
- Output of Truck in China (by Types), 2017-2023E
- Output of Incomplete Truck in China (by Types), 2017-2023E
- Output and YoY Change of Semi-trailer in China, 2017E-2021E
- Global Strongholds of BASF
- Revenue and Net Income of BASF, 2013-2018
• BASF’s Revenue by Business, 2016-2018
• BASF’s Revenue by Region, 2016-2018
• Major Vehicle/Engine Exhaust Catalysts of BASF
• Applications of AdBlue® by BASF
• Operating Principle of AdBlue® by BASF
• BASF’s Catalyst Business Expansion Process in Recent Years
• Sales of Functional Materials & Solutions of BASF by Product, 2016-2018
• Catalysts Revenue of BASF, 2012-2018
• Catalysts Revenue Structure of BASF by Region, 2017
• Presence of BASF in Greater China
• BASF Catalyst (Shanghai) Co., Ltd.
• BASF Catalyst (Guilin) Co., Ltd.
• Organization Structure of Umicore
• Global Business Distribution of Umicore
• Main Financials of Umicore, 2013-2018
• Revenue Structure of Umicore (by Business Segments), H1 2018
• 2020 Objective and 2016 Result of Umicore
• Key Automotive Catalyst Technologies of Umicore
• Main Applications of Umicore’s Automotive Catalysts
• Global Automobile Catalyst Business Distribution of Umicore
• Revenue and EBIT of Catalysis Business of Umicore, 2014-2018
• Development of Umicore in China
• Basic Information of Umicore Autocat (China) Co., Ltd.
• Some Supporting Enterprises of DOC of Umicore Autocat (China) Co., Ltd.
• Basic Information of Act Blue Co., Ltd.
• Core Technology, Main Products and Applications of Act Blue
• Revenue and Net Income of Act Blue, 2014-2018
• Revenue Breakdown of Act Blue by Product, 2015-2018
• Revenue Breakdown of Act Blue by Region, 2015-2018
• Gross Margin of Act Blue by Product, 2015-2018
• Output and Sales Volume of Act Blue by Product, 2015-2018
• Average Price of Major Products of Act Blue, 2015-2018
• Major Automotive Catalysts of Act Blue
• Act Blue’s Catalysts for Off-road Machinery
• Act Blue’s Key Automotive Catalytic Converters
• Motor Vehicle Exhaust Gas Treatment Technology Roadmap and Related Products of Act Blue
• Development Process of Act Blue’s Main Business and Products
• Some Supporting Enterprises of POC and DOC of Act Blue
• Revenue of Act Blue from Major Customers, 2017-2018
• Fundraising Projects of Act Blue via IPO, 2018
• Global Operations of Johnson Matthey
• Key Financial Figures of Johnson Matthey, 2017-2018
• Revenue Structure of Johnson Matthey (by Product), 2017-2018
• Underlying Operating Profit Structure of Johnson Matthey (by Product), 2017-2018
• Revenue Structure of Johnson Matthey (by Region), 2017-2018
• Automotive Catalyst Business of Johnson Matthey
• Breakdown of Jonson Matthey’s Revenue from Automotive Catalyst Business, FY2017-2018
• Revenue Structure of Johnson Matthey by Region and Product, FY2018
• Basic Information of Johnson Matthey (Shanghai) Chemicals Ltd
• Basic Information of Johnson Matthey Argillon (Shanghai) Emission Control Technologies Ltd.
Selected Charts

- Revenue and Net Income of Wuxi Longsheng Technology, 2014-2018
- Revenue of Wuxi Longsheng Technology by Product, 2016-2018
- Gross Profit Margin of Wuxi Longsheng Technology by Product, 2014-2018
- Operating Principle of Wuxi Longsheng Technology’s EGR System and Its Major Products
- EGR System-related Products of Wuxi Longsheng Technology
- Supporting from Major Products of Wuxi Longsheng Technology
- Proposed Investment Projects via IPO of Wuxi Longsheng Technology, 2017
- Basic Information of Yibin TRD Auto Parts Co., Ltd.
- Subatmospheric EGR System Products of Yibin TRD Auto Parts Co., Ltd.
- Electric EGR System Products of Yibin TRD Auto Parts Co., Ltd.
- Some Supporting Enterprises of EGR Products of Yibin Tianruida Auto Parts
- Development Course of Zhejiang Jooloong
- Sales Network of Zhejiang Jooloong
- Two Main Division of Rheinmetall AG
- Main Divisions of Rheinmetall Automotive
- Revenue of Rheinmetall Automotive by Business, 2016-2018
- EGR Valve of Pierburg
- Basic Information of Pierburg Shanghai Nonferrous Components Co., Ltd
- Some Supporting Enterprises of EGR Products of Pierburg Automotive Components (Kunshan) Co., Ltd
- Revenue and Operating Income of BorgWarner, 2013-2018
- Revenue of BorgWarner by Business, 2014-2018
- Revenue of BorgWarner by Client, 2017
- EGR Products of BorgWarner
- Development Course of BorgWarner Emissions Systems
- Ningbo Plant of BorgWarner
Selected Charts

- Basic Information of BorgWarner Auto Parts and Components (Ningbo) Co., Ltd
- Major Products and Customers of BorgWarner Automotive Components (Ningbo) Co., Ltd.
- Some Supporting Enterprises of EGR Products of BorgWarner Automotive Components (Ningbo) Co., Ltd
- Major Products of Keihin
- Global Presence of Keihin
- Operating Revenue and Net Income of Keihin, FY2013-FY2019
- Keihin’s Revenue by Product, FY2013-FY2019
- Keihin’s Revenue by Region, FY2014-FY2019
- Basic Information of Dong Guan Keihin Engine Management System Co., Ltd.
- Development Course of Weifu High-technology
- Revenue and YoY Change of Weifu High-technology, 2012-2018
- Net Income and YoY Change of Weifu High-technology, 2012-2018
- Revenue Breakdown of Weifu High-technology (by Business Unit), 2012-2018
- Revenue Structure of Weifu High-technology (by Regions), 2012-2018
- Gross Margin of Weifu High-technology, 2011-2018
- Output, Sales Volume and Inventory of Exhaust Emission System of Weifu High-technology, 2011-2017
- R&D Costs and % of Total Revenue of Weifu High-technology, 2012-2018
- Some Supporting Enterprises of SCR Catalytic Converter of Weifu Lida Catalytic Converter Co., Ltd (National IV Standard)
- Some Supporting Enterprises of SCR Catalytic Converter of Weifu Lida Catalytic Converter Co., Ltd (National V Standard)
- Some Supporting Enterprises of DOC of Weifu Lida Catalytic Converter Co., Ltd
- Some Supporting Enterprises of DOC of Wuxi Weifu Environmental Catalysts Co., Ltd
- Exhaust Emission Business of Weifu High-technology
- Main Operating Indicators of Weifu Lida Catalytic Converter, 2012-2018
- Revenue and Net Income of Weifu High-technology, 2015-2023E
- Global Presence of Zhejiang Yinlun Machinery
Selected Charts

- Development Course of Zhejiang Yinlun Machinery
- Revenue and YoY Change of Zhejiang Yinlun Machinery, 2012-2018
- Net Income and YoY Change of Zhejiang Yinlun Machinery, 2012-2018
- Revenue Structure of Zhejiang Yinlun Machinery (by Products), 2014-2018
- Revenue Structure of Zhejiang Yinlun Machinery (by Regions), 2012-2017
- Gross Margin of Zhejiang Yinlun Machinery (by Products), 2014-2018
- EGR Products of Zhejiang Yinlun Machinery
- Market Strategy of EGR Business of Zhejiang Yinlun Machinery
- Urea SCR System Layout of Zhejiang Yinlun Machinery
- Key Configurations of SCR System of Zhejiang Yinlun Machinery
- Main Clients of Zhejiang Yinlun Machinery
- R&D Costs and % of Total Revenue of Zhejiang Yinlun Machinery, 2011-2018
- Some Supporting Enterprises of SCR Catalytic Converter of Zhejiang Yinlun Machinery
- Revenue and Net Income of Zhejiang Yinlun Machinery, 2015-2023E
- Basic Information of Kailong High Technology
- National-IV, V Heavy Duty Diesel After Treatment System of Kailong High Technology
- National-V Light Duty Diesel After Treatment System of Kailong High Technology
- Capacity of Major Products of Kailong High Technology, 2014-2017
- Output of Major Products of Kailong High Technology, 2014-2017
- Sales Volume of Major Products of Kailong High Technology, 2014-2017
- Main Clients of Kailong High Technology
- Revenue of Top 5 Clients of Kailong High Technology, 2017
- Profile of Powergreen
- Development Course of Powergreen
- Main Products of Powergreen
• Main Clients of Powergreen
• Some Supporting Enterprises of SCR Catalytic Converter of Powergreen
• Basic Information of Nanjing ECOCAT Auto Catalyst Co., Ltd
• Some Supporting Enterprises of DOC of Nanjing ECOCAT Auto Catalyst Co., Ltd
• Four Business Divisions of Cummins
• Revenue and Net Income of Cummins, 2012-2018
• Revenue Structure of Cummins by Business, 2015-2018
• Revenue Structure of Cummins by Region, 2014-2018
• Diesel Oxidation Catalysts of Cummins
• Diesel Particulate Filters of Cummins
• Selective Catalytic Reduction Systems
• Emission Standard of Cummins Emission Solutions
• Cummins’ Revenue from Such Components as Emission System, 2015-2018
• Basic Information of Cummins Emission Solutions (China) Co., Ltd.
• Some Supporting Enterprises of SCR Catalytic Converter of Cummins Emission Solutions (China)
• Basic Information of Beijing Greentec Environmental Protection Equipment
• Operating Indicators of Beijing Greentec Environmental Protection Equipment, 2012-2018
• Revenue Structure of Beijing Greentec Environmental Protection Equipment (by Business Units), 2011-2017
• Gross Margin of Beijing Greentec Environmental Protection Equipment, 2011-2018
• Major Diesel Engine After-treatment System Products of Beijing Greentec Environmental Protection Equipment
• Main Clients of SCR System of Beijing Greentec Environmental Protection Equipment
• Revenue from Top Five Clients of Beijing Greentec Environmental Protection Equipment and % of Total Revenue, 2017
• Some Supporting Enterprises of SCR Catalytic Converter of Guangxi Sunlight Technology (National IV Standard)
• Some Supporting Enterprises of SCR Catalytic Converter of Guangxi Sunlight Technology (National V Standard)
• Some Supporting Enterprises of EGR Products of Guangxi Sunlight Technology (National V Standard)
Selected Charts

- Introduction of Tenneco
- Global Business Distribution of Tenneco
- Revenue and Net Income of Tenneco, 2012-2018
- Revenue Structure of Tenneco, 2017-2018
- Revenue Structure of Tenneco, 2015-2017
- Basic Information of Tenneco (China) Co., Ltd.
- Basic Information of Shanghai Tenneco Exhaust System Co., Ltd
- Basic Information of Tenneco (Dalian) Exhaust System Co., Ltd
- Basic Information of Tenneco Auto Industry (Suzhou) Co., Ltd
- Some Supporting Enterprises of SCR Catalytic Converter of Tenneco (China) (National IV Standard)
- Some Supporting Enterprises of DOC of Tenneco (China) (National IV Standard)
- Some Supporting Enterprises of DPF of Tenneco (China) (National IV Standard)
- Some Supporting Enterprises of DOC of Tenneco (China) (National V Standard)
- Revenue Structure of Tenneco by Client, 2017
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