



***POWERDRAG***  
*Brand&Company Profile*





Factory 1 in Eumsoung



Factory 2 in Chungju

Company Name	POWER DRAG Inc.
Established Date	2019. 5. 23.
Business Type	Manufacturing, wholesale and retail, professional, scientific, and technical services

Manufacturing	Automotive chemicals, engine oils, cleaners
Products	<ul style="list-style-type: none"> <li>■ Automotive additives for cars and large vehicles: 16 types</li> <li>■ High performance ester engine oil, cargo vehicle engine oil, etc.: 4 types</li> <li>■ Flushing oil, cleaning agent for multi-steam cleaner, parts cleaner, etc.: 3 types</li> </ul>



① Raw Material Storage Warehouse

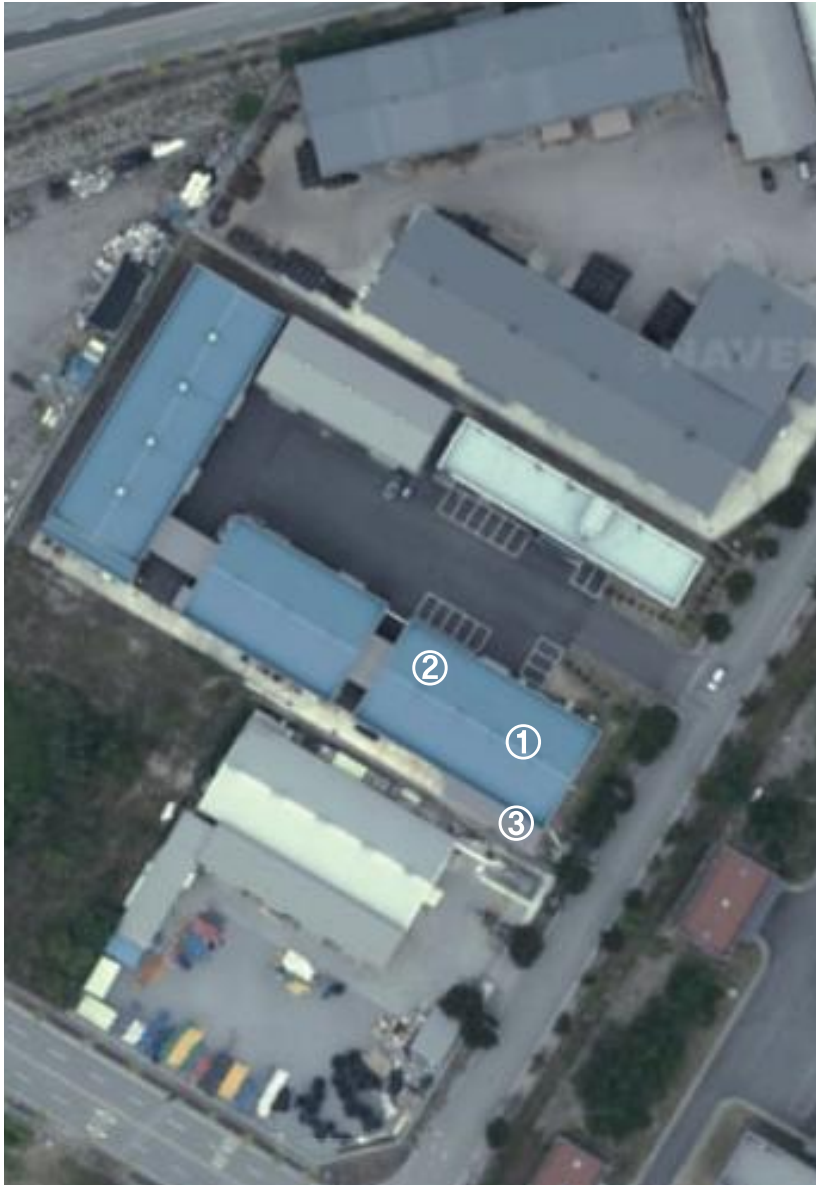


② Formulation / Production Plant



③ Office / Lab





① Equipment Warehouse



② Subdivision Plant



③ Parcel distribution center / office



**2015**

- Founded the POWER DRAG brand
- POWER DRAG launches world's first DRAG GAS additive

**2016**

- Official sponsorship of MOHAVE Racing Team
- Launch of POWER DRAG Ester engine oil :GOLD

**2017**

- Launch of POWER DRAG Ester engine oil :RED
- Launch of POWER DRAG transmission oil additive:ORIGINAL
- Launch of POWER DRAG engine oil additive :ORIGINAL
- Launch of POWER DRAG gasoline fuel additive:STANDARD
- Launch of POWER DRAG diesel fuel additive:STANDARD

**2019**

- Launch of POWER DRAG flushing oil
- Launch of POWER DRAG Eco Power

**2020**

- Participated in the YouTube channel @masterpark1 fuel additive experiment project
- Launch of POWER DRAG coolant additive
- Launch of POWER DRAG Multi-Steam Cleaner detergent
- Established a joint venture manufacturing company in Uzbekistan

**2021**

- Won the Grand Prize for Best New Product in the first half of the year in South Korea for automotive products
- Won the Grand Prize for Korea Customer Preference Brand for fuel additives
- Recommended/selected POWER DRAG fuel additive on @masterpark1 YouTube channel
- Launch of POWER DRAG Ester engine oil : RED RACING
- Launch of POWER DRAG PAO engine oil for trucks
- Launch of POWER DRAG Eco-P Parts Cleaner

**2022**

- Won 2 consecutive awards as Korea Customer Preference Brand for eco-friendly fuel additive
- MOU with POWER DRAG & @masterpark1 YouTube channel
- Selected as an Excellent Certified Company by NICE Information Service
- Launch of POWER DRAG 2nd generation engine oil additive : FEEDBACK
- Launch of POWER DRAG 2nd generation diesel fuel additive : MAXIMUM
- Won an award in the online automotive oil additive category from KCIA Korea Consumer Industry Appraisal

**2023**

- Acquired ISO 9001, ISO 14001, ISO 45001 certifications
- Applied for/registered Korea's first patent for additive urea solution for prevention of efflorescence
- Launch of POWER DRAG 2nd generation gasoline fuel additive : MAXIMUM
- Launch of POWER DRAG octane booster : EVOLUTION
- Launch of POWER DRAG SCR Cleaning AdBlue urea(DEF) additive
- Launch of POWER DRAG truck engine additive : ULTIMTAE
- Won 2 consecutive awards from KCIA in the online automotive oil additive category

**2024**

- Introduced AdBlue Defender to gas stations nationwide
- Introduced ODM MAX44 urea additive to E-Mart & Speedmate nationwide

**2025**

- Launch of DPF Defender diesel fuel additive
- Launch of Anti Water Defender water remover diesel fuel additive
- KCIA online automotive oil additive category Award for the 3rd time



STANDARD Gasoline

STANDARD Diesel

MAXIMUM Gasoline

MAXIMUM Diesel

EVOLUTION Octane Booster

**“Holding 5 Certificates of Inspection for Fuel Additive”**

The Korea Petroleum Quality & Distribution Authority maintains high inspection standards, often rejecting overseas fuel additives. Therefore, an inspection approval certificate issued by the Korea Petroleum Quality & Distribution Authority is the most reliable indicator that an additive's function is proven, its quality is guaranteed, and its manufacturing standards are met. Obtaining this certificate is essential for distribution and sale. POWER DRAG has released a total of five fuel additives targeting various consumer groups and is currently distributing and selling them.



Registered Trademarks in  
Koera – Oil



Registered Trademarks in  
Koera – Fuel



Registered Trademarks in  
Koera – Other



Registered Trademark in  
China



Registered Trademark in  
the United States

**“Holding 5 Domestic/Overseas Trademark Rights to Protect Brand”**

To safeguard POWER DRAG's property rights, the company has registered trademarks to prevent potential trademark theft and intellectual property infringement in the domestic market. Additionally, the company has completed trademark registrations in China and the United States.



## "Registered Domestic Patents and Filed International PCT Applications to Demonstrate Our Unique Technology"

As of July 2023, we registered the first domestic patent for dissolving urea water efflorescence in passenger and commercial vehicles using additives. We are currently reviewing international patent applications in the US and Europe for this innovation and preparing a second patent focused on urea water efflorescence prevention and cleaning.



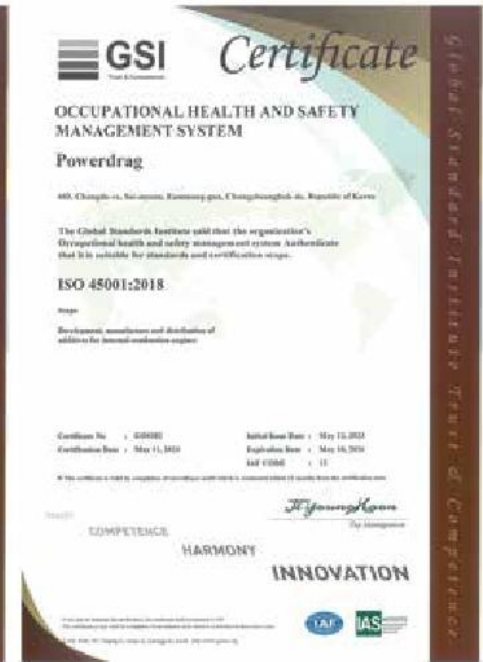
NICE Information Service :  
Certified as an excellent company  
in technology evaluation



IAF – ISO 9001 Certificate



IAF – ISO 14001 Certificate



IAF – ISO 45001 Certificate

## “Acquired 4 Certifications for Manufacturing/Production Processes”

The Korea Petroleum Quality & Distribution Authority maintains high inspection standards, often rejecting overseas fuel additives. Therefore, an inspection approval certificate issued by the Korea Petroleum Quality & Distribution Authority is the most reliable indicator that an additive's function is proven, its quality is guaranteed, and its manufacturing standards are met. Obtaining this certificate is essential for distribution and sale. POWER DRAG has released a total of five fuel additives targeting various consumer groups and is currently distributing and selling them.



2021 Korea Customer Preference Brand Award for Fuel Additives



2021 Korea Best New Product Grand Prize for Fuel Additives



2022 Korea Best New Product Grand Prize for Fuel Additive for 2 consecutive years



2022 Excellence in Online Automotive Oil Additives in KCIA (Korea Consumer Industry Appraisal)



2022 Excellence in Online Automotive Oil Additives in KCIA (Korea Consumer Industry Appraisal) for 2 consecutive years



Selected as the only fuel additive brand to be recommended by Park Byeong-il's Famous Color(@masterpark1) as one of the "Master One Pick" fuel additive brands

**“6 awards in the Additive Category from Various Organizations/Associations ”**

Since 2021, POWER DRAG has been recognized for its product excellence by various organizations and associations, earning six awards in three years. The company has also been featured in numerous newspapers and media outlets.



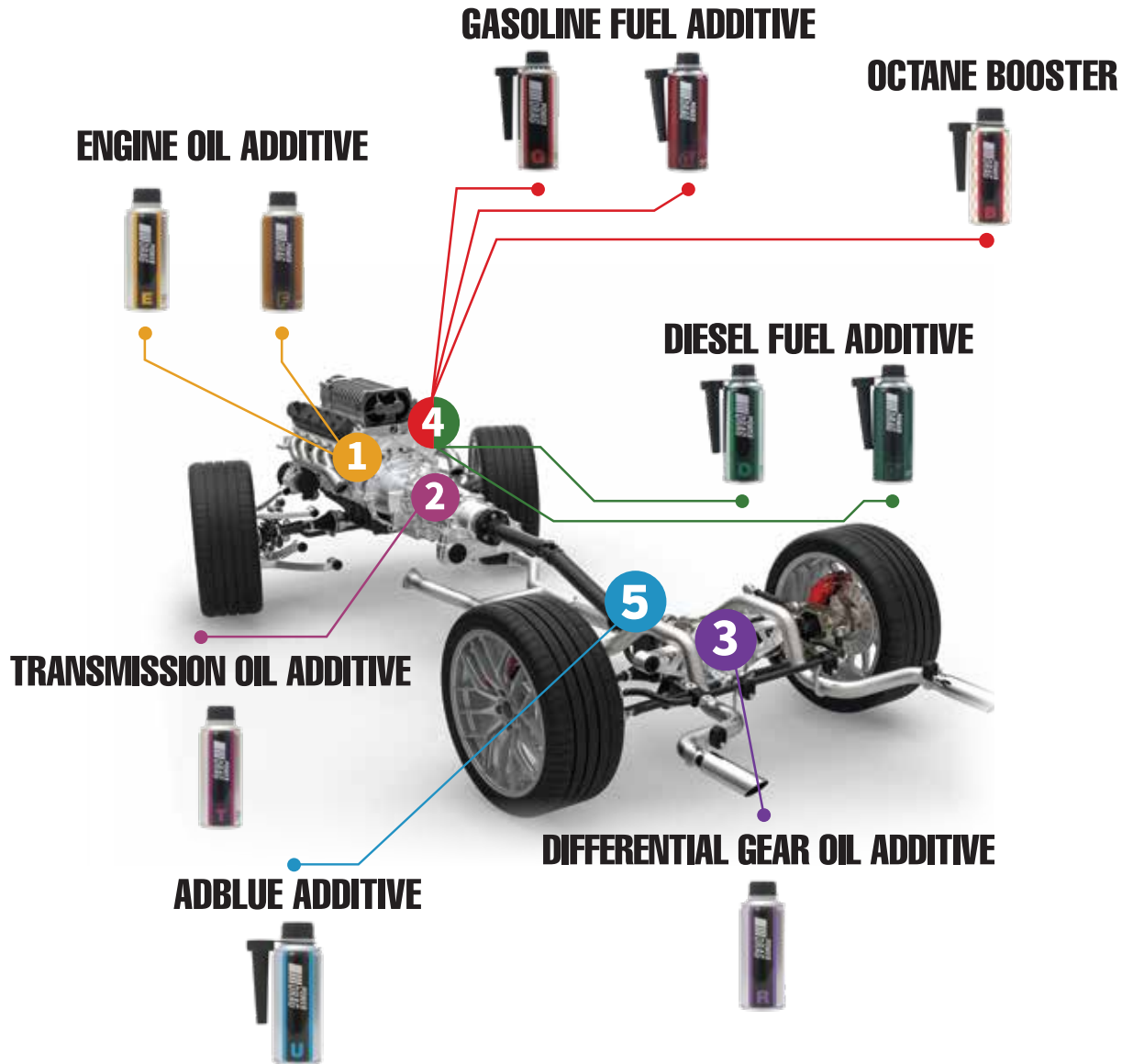
## **“8 Years of Research and Development Expertise as the Only RC Fuel Manufacturer in Korea”**

The engine structure of RC vehicles is similar to that of internal combustion engines, and RC fuel must meet requirements for lubricity, cooling, cleanliness, complete combustion, and torque enhancement, all while withstanding heat and operating at 20,000 to 50,000 RPM, which is 10 times that of an internal combustion engine. As the only RC brand in Korea, “RAPICON” has been exported to 52 countries and is recognized globally for its superior fuel quality. Building on this expertise, “POWER DRAG” has developed and launched additives for internal combustion engines using this exceptional formulation data. The unique raw materials and formulation data not used by other brands set our product performance apart.



## “Korea's Only Brand with a **Diverse Product Range**”

Most chemical brands in Korea launch products by simply altering the formulation of a single product, typically focusing on fuel additives and engine additives. However, POWER DRAG stands out as the only domestic brand offering a comprehensive range of products. We have 6 types of additive products for engines, transmissions, differential gears, fuel, and urea solutions, as well as 18 types of additives, engine oils, and cleaning agents.



**“Customizable Build-up  
for Every Vehicle”**

POWER DRAG offers customizable solutions to optimize your car's performance based on driving conditions, driving behavior, vehicle age, and engine displacement, ensuring no damage to the engine or fuel system.

**OIL ADDITIVE**



**ORIGINAL**  
Engine Additives



**FEEDBACK**  
Engine Additives  
– High Performance



**ORIGINAL**  
Transmission Additives



**ORIGINAL**  
Differential Gear Additives

**FUEL ADDITIVE**



**EVOLUTION**  
Octane Booster



**STANDARD GASOLINE**  
Fuel Additives



**MAXIMUM GASOLINE**  
Fuel Additives  
– High Performance



**STANDARD DIESEL**  
Fuel Additives

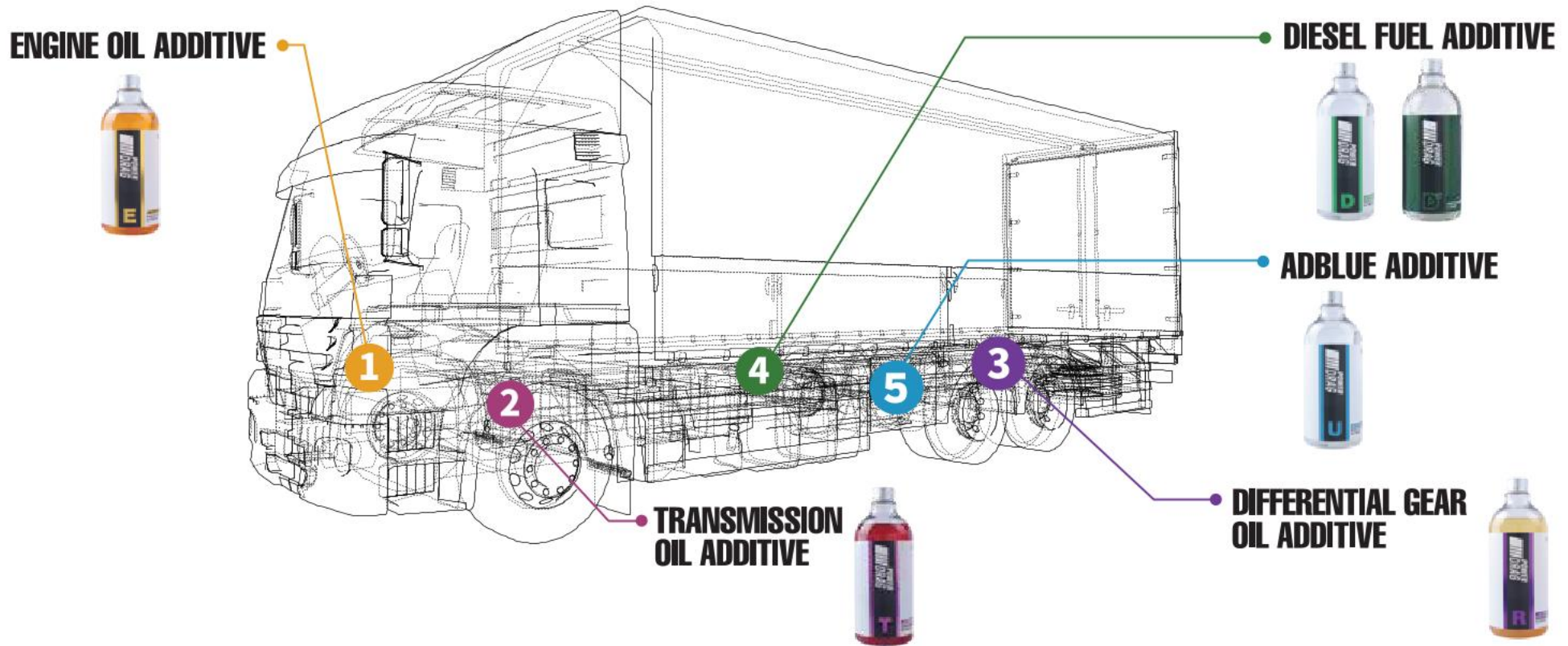


**MAXIMUM DIESEL**  
Fuel Additives  
– High Performance

**ADBLUE ADDITIVE**



**SCR CLEANER**  
DEF Additive



## **“Eco-Build-Up for Cargo Vehicles: Environmental Protection and Economic Efficiency”**

POWER DRAG enables efficient and straightforward management based on operating conditions, driving environment, and vehicle condition. This approach extends the vehicle’s lifespan, reduces emissions, and lowers maintenance and fuel costs.

**OIL ADDITIVE**



**ULTIMATE**  
Engine Additives



**ULTIMATE**  
Transmission Additives



**ULTIMATE**  
Differential Gear Additives

**FUEL ADDITIVE**



**STANDRAD DIESEL**  
Fuel Additives



**MAXIMUM DIESEL**  
Fuel Additives

**ADBLUE ADDITIVE**



**SCR CLEANER**  
DEF Additive



## **"STANDARD GASOLINE that Improves Cleaning, Power and Torque Simultaneously"**



When carbon accumulates inside the engine, it causes incomplete combustion, leading to increased engine vibration and noise. If not removed, this can result in premature ignition (spontaneous ignition), causing the knocking phenomenon where the piston impacts the sleeve, leading to serious engine damage. This issue is particularly significant for direct injection GDI engines.

To address this, R&D efforts have focused on developing functional additives for carbon removal. Leveraging the proven formulation data of Rapicon, which excels in carbon and sludge removal, we improved the torque of drag gas additives.

While other brands highlight the superiority of carbon removal by using PEA (a surfactant with excellent cleaning power), PEA reduces the fuel's explosive power, decreasing power output and threatening engine durability with frequent use.

To solve these problems, POWER DRAG has developed an optimal formulation technology that uses water-soluble (vegetable) ingredients to replace PEA. This formulation maintains the cleaning effect, promotes complete combustion, and does not interfere with torque improvement.

POWER DRAG gasoline additive, in a 330ml pail for a 70L tank, reduces engine vibration and noise, stabilizes idling, and improves torque by up to 11%. This enhances extreme driving performance, with cleaning ingredients that are 100% water-soluble oil. Therefore, it boasts the same cleaning power as PEA without damaging the engine, even with continuous use.



**“Carbon removal from the outer piston head is the key factor in cleaning”**

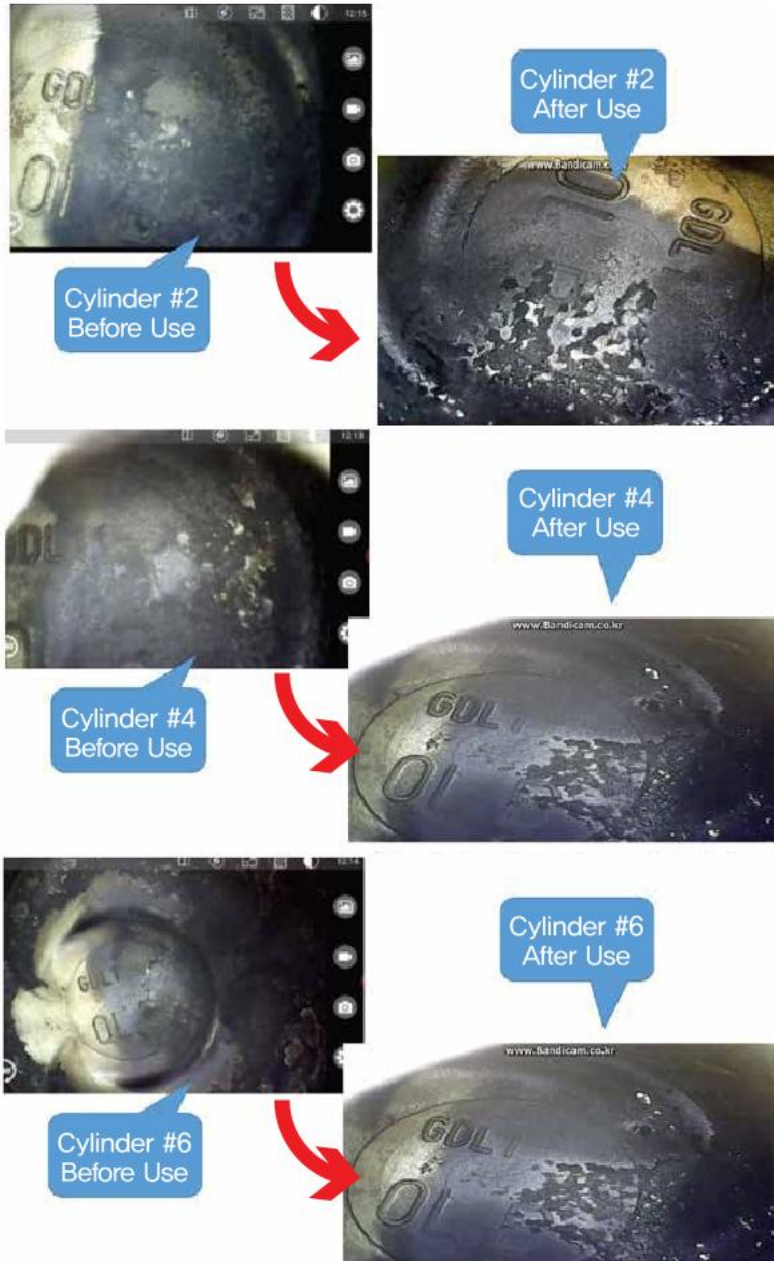
The primary goal of decarbonization is to prevent scratches between the piston and sleeve. Therefore, the crucial aspect of piston cleaning is the removal of carbon from the outer part of the piston head, as highlighted in the red area.

On July 24, 2020, PD participated in the “Fuel Additive Experiment Project – Gasoline Part” aired on YouTube channel Park Byeong-il’s Famous Color (@masterpark1). This large-scale project aimed to verify the superior cleaning power of gasoline additives through blind tests and engine disassembly before and after additive injection. PD received better reviews than BULLSONE, Unicorn, BIO RHINO and Hyundai XTeer, who also participated in the project.



※ For detailed results, refer to the YouTube channel Master Park Byeong-il (@masterpark1) “Result Reveal ★ Fuel additive effect, is there or is there not? A big reveal of the project of a unique class.”

# POWER DRAG EFFECTIVENESS CASE 1



This content was provided by a personal blogger who owns a Grandeur HG. This data is a comparison photo taken before POWER DRAG gasoline additive injection and after two consecutive full 70L metered injections, which shows the cleaning effect on the piston head as the accumulated carbon dissolves.



■ 자동차종합검사 시행 등에 관한 규칙 [별지 제1호서식] (자동차소유자용)  
 접수번호: J055-20210824-0029-1

### 자동차종합검사 결과표

① 자동차등록번호	55누1150	② 성명(상호)	***	③ 생년월일	-
④ 차명	포르테	⑤ 차종(용도)	승용차일반형중형	⑥ 제작연식	2012
⑦ 연료종류	휘발유(무연)	⑧ 누적 주행거리	183308	⑨ 최초등록일	20110726

**검 사 결 과**

⑩ 종합판정	적합	관능·기능 검사	적합	안전검사	적합	배출가스 정밀검사	적합
⑪ 검사 유효기간	2021-07-26 ~ 2023-07-25		⑫ 재검사기간	-			

⑬ 세부 검사내용

1부(관능 및 기능검사)		2부(기계·기구검사)			
<부적합 내용>		검사항목	기준값	측정값	판정
⑭ 배출가스	⑮ 열방향이끄러짐(side slip)	10 주행에 5m 이내		OUT 0.1	합격
		일산화탄소(CO):	1/0.62 %	0.34/0.51	합격/합격
		탄화수소(HC):	120/49 ppm	0/0	합격/합격
		질소산화물(NOx):	850 ppm	27	합격
		공기과잉률(λ):	1±0.10	0.99	합격
⑯ 배출가스	⑰ 메탄	%			
	⑱ 질소산화물(NOx):	ppm			

**“Disproving the Claim that Additives Have a Placebo Effect”**

The vehicle tested is a Forte 1.6 GDI with over 180,000 kilometers on the odometer. This vehicle has never undergone servicing or cleaning beyond routine maintenance issues and has been using POWER DRAG products continuously since 110,000 kilometers. As shown in the regular inspection conducted on July 25, 2021, the emissions of carbon monoxide, hydrocarbons, and nitrogen oxides are significantly lower than those of typical vehicles.



## **“Next-Generation Additive with Superior Cleaning Power and Octane Improvement”**

POWER DRAG's cleaning performance has already been demonstrated on Park Byeong-il's Famous Color YouTube channel (@masterpark1). However, to address feedback that the difference before and after injection is less noticeable in turbocharged vehicles and high-performance engines with six cylinders or more, we launched MAXIMUM as an enhanced version.

POWER DRAG is formulated to maintain the excellent cleaning power of STANDARD GASOLINE while increasing explosion resistance and delaying the flash point. By improving the octane rating by 10 points, it delivers smoother acceleration at low RPM and improved response at high RPM, simply by mixing in the additive.

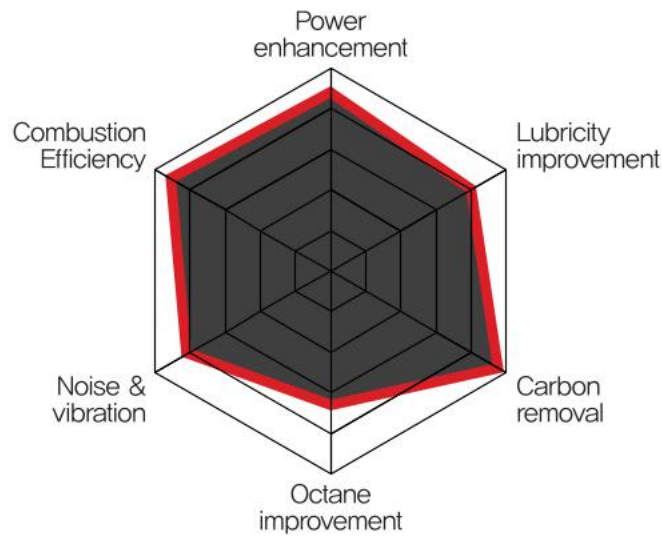
Gasoline Additive Stage 2 MAXIMUM is a high-performance additive designed to meet the needs of high-performance vehicle owners and those who drive sporty or high-speed vehicles.

It is the only gasoline additive on the market that can visually perform carbon removal while achieving a 10-point octane improvement.

# POWER DRAG PRODUCT COMPARISON



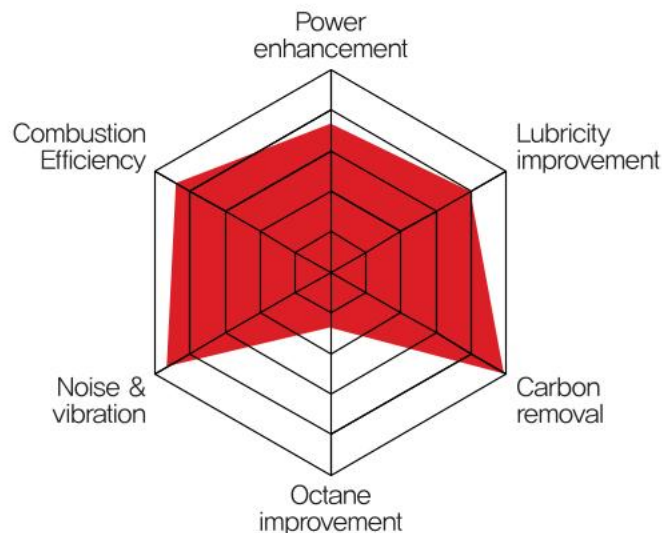
**MAXIMUM GASOLINE** Fuel Additives  
– High Performance



- ▷ Primary purpose for sporty driving
- ▷ High-speed driving (tendency to utilize a wide RPM range)
- ▷ Based on 50–60L, 1ea is required
- ▷ Decarbonization + Octane boost + Lubricity improvement
- ▷ Improved response (more responsive acceleration)



**STANDARD GASOLINE** Fuel Additives



- ▷ Priority to reduce engine noise/vibration
- ▷ Intended for city/mileage driving (tendency to use limited RPM)
- ▷ Based on 70L, 1ea is required
- ▷ Carbon removal + Power restoration
- ▷ Improves fuel economy (combustion efficiency and output)



## “The Only Real Octane Booster in Korea that Increases Octane Rating by 30 Points”

While many octane booster fuel additives are available in Korea, few can increase octane by more than 10 points. This limitation is due to strict regulations from the Korea Petroleum Quality & Distribution Authority, which prohibit the use of harmful substances like MMT and restrict additives to less than 10ml per liter.

Typically, MTBE is used to improve octane, but it can only raise the level by 10 points per 500ml. To overcome this, POWER DRAG developed an accelerator that significantly amplifies octane and incorporated it into their product. Given that the octane difference between regular and premium fuel is usually 20 to 40 points, POWER DRAG created the only additive in Korea that can increase octane by 30 points with a single application.

As a result, this product is aptly named “Evolution,” the only evolved octane booster in Korea. Evolution is dedicated solely to improving octane and enhancing the lubricity of high-grade fuel.



## OCTANE ENHANCEMENT FORMULATION CHART

Improved Octane Rating	Usage per Liter	Quantity of Product Required	Fuel Amount	Fueling Range	Gasoline Type
6 (60P)	18.8ml	490ml 1EA	26.2 L	25 - 27 L	No matter if regular / premium gas
5 (50P)	15.6ml	490ml 1EA	31.4 L	30 - 32 L	No matter if regular / premium gas
4 (40P)	12.3ml	490ml 1EA	39.9 L	35 - 40 L	No matter if regular / premium gas
3 (30P)	9.4ml	490ml 1EA	53.2 L	50 - 55 L	No matter if regular / premium gas
2 (20P)	6.1ml	490ml 1EA	81.1 L	60 - 82 L	No matter if regular / premium gas

Recommended Fill Volume

## “Customize Your Octane Rating with EVOLUTION Octane Booster”

Evolution Octane Booster allows you to tailor your octane level based on the amount of gasoline you mix it with, making it a versatile alternative to premium fuel. It can also be used in racing stock cars that require high octane for optimal performance. This breakthrough is made possible by POWER DRAG's world-first drag gas additive, which served as the foundation for our R&D efforts.



**“Demonstrating Product Excellence Through Live Broadcast Experiments”**

In collaboration with Master Park Byeong-il (@masterpark1), we have been showcasing POWER DRAG's new products and proving their superiority through live broadcast experiments. POWER DRAG engages consumers with field tests and solid data, avoiding any exaggerated claims.

## “Standard Diesel for Power & Environmental Protection”

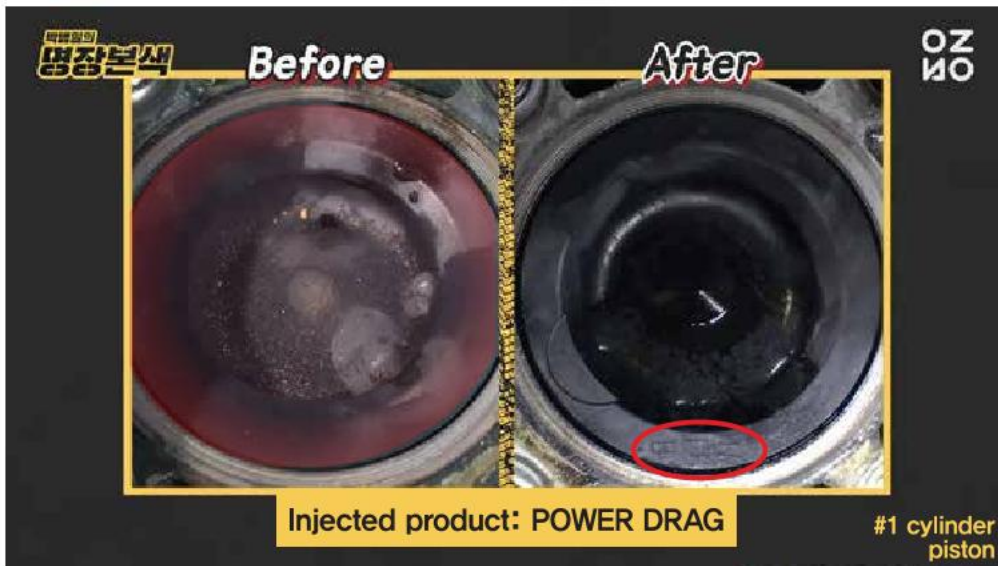


POWER DRAG's diesel additive was developed to address the longstanding issues of sludge and soot generation in diesel engines. Sludge on the engine surface significantly reduces cooling efficiency, accelerates the oxidation of engine oil, and diminishes the lubrication film's effectiveness. This leads to increased friction heat, higher engine temperatures, and further sludge generation, creating a cycle that promotes incomplete combustion, affects compression and exhaust, and increases blow-by gas and emissions.

Drawing on its experience with RAPICON nitromethane fuel, POWER DRAG recognized that successfully removing sludge and preventing carbon buildup could substantially reduce emissions. To this end, POWER DRAG developed a unique formulation technology to improve both cetane number and torque simultaneously.

The clean dispersant developed by POWER DRAG excels in dissolving and removing carbon sludge from injectors, DPF, and catalysts, and has an excellent dispersion function that prevents melted sludge from clumping.

By using one 330ML can for every 70L of diesel fuel, you can experience noticeable improvements in vehicle noise and vibration within 5 minutes, increased torque, up to 12% better fuel economy, up to 93% emission reduction, and a significant reduction in the characteristic pungent sooty odor of diesel fuel.



## “Minimizing Emissions Through Complete Combustion is Key”

POWER DRAG showcased its superior cleaning performance once again, on Park Byeong-il's YouTube channel (@masterpark1) in the “Fuel Additive Experiment Project Diesel Edition” aired on December 28, 2020.

Preventing carbon accumulation is crucial for diesel engines, and the key cleaning point is whether the carbon on the outer part of the piston head is removed, as highlighted in the red area. For POWER DRAG additive, you can refer to the cleaning result by observing the previously invisible writing at the bottom of the outer edge.

Due to the nature of diesel engines, it is challenging to distinguish the cleanliness of the cylinder head itself in the combustion chamber. Therefore, cleanliness can be assessed by checking if the injectors in the red circle have been cleaned.

In this project, POWER DRAG's cleaning power was compared with BULLSONE, Stanadyne, BIO RHINO, Chevron Techron, and MaxSaver, achieving the best results.

※ Refer to the YouTube channel Master Park Byeong-il (@masterpark1) "Is it effective to use fuel additives in diesel cars? Master Park Byeong-il did it again! ★ Revealing the results of the experiment"



## “Diesel Additive Alone Reduces Emissions by 86%”

This application case was provided by a dealership. After the owner of a 2009 Santa Fe CM failed the emissions test with an 83% soot level, they performed a simple DPF cleaning, injected the diesel additive, and drove the car for about 10 minutes before retesting.

The retest results showed a reduction in soot from 83% to 12%, an impressive 86% decrease, allowing the vehicle to pass the emissions test.





## **"The Ultimate Diesel Additive: Maximizing Performance with Integrated Functions"**

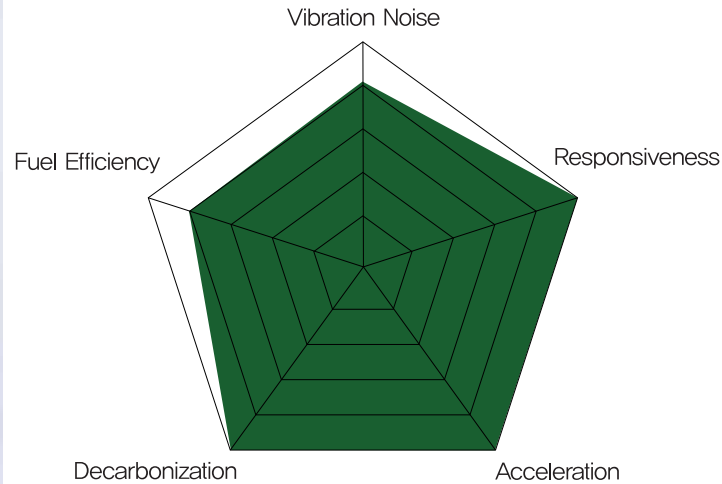
POWER DRAG's diesel additive offers superior cleaning performance and torque improvement, making it more popular than its gasoline counterpart. The first diesel additive achieved a 97% satisfaction rate among owners.

To make diesel engines, which rely on compression ignition rather than spark ignition, respond as quickly as gasoline engines, the additive increases the compression ratio and slightly advances the flash point. This adjustment reduces the gap between torque improvement and accelerator response through a stronger explosive force, resulting in faster accelerator response.

Diesel Additive Stage 2 Maximum enhances existing cleaning performance while maximizing the torque output of the diesel engine, leading to lighter and quicker movements. Additionally, it integrates moisture removal and anti-freezing functions, addressing all common issues in diesel engines. The additive can absorb up to 60ml of moisture per can and lower the freezing point by 3 to 4 degrees, improving cold starts in winter.



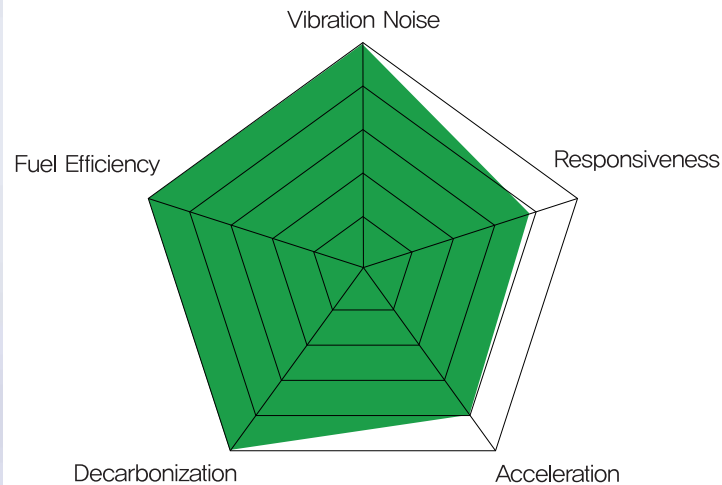
**MAXIMUM DIESEL** Fuel Additives  
– High Performance



- ▷ Prioritizes sporty driving
- ▷ High-speed driving (tendency to utilize a wide RPM range)
- ▷ Based on 50–60L, 1ea is required
- ▷ Torque booster + Carbon removal + Moisture removal + Freeze protection
- ▷ Improved response (more responsive acceleration)



**STANDARD DIESEL** Fuel Additives



- ▷ Priority to reduce engine noise/vibration
- ▷ Intended for city/mileage driving (tendency to use limited RPM)
- ▷ Based on 70L, 1ea is required
- ▷ Carbon removal + Carbon Removal
- ▷ Improves fuel economy (combustion efficiency and output)





## “Live Demonstration of Maximum's Capabilities”

POWER DRAG Maximum's powerful moisture removal capabilities were showcased live, demonstrating how the additive swiftly absorbs water and breaks down molecules, a performance unmatched by other brands. Initially skeptical of additives, Mr. Park Byeong-il of "Park Byeong-il's Famous Color" acknowledged the excellence of POWER DRAG Maximum and voluntarily promoted it.

You can watch the demonstration on the Park Byeong-il's Famous Color channel under the title "[Live Highlight] Carbon Sludge Removal is Basic! Diesel Fuel Additive Moisture Removal."



Diesel Fuel Additives for Trucks  
**STANDARD**

Diesel Fuel Additives for Trucks  
**MAXIMUM**

## “Diesel Fuel Additives for Trucks, Suitable for **EURO4–6**”

POWER DRAG's diesel additives are formulated with high-volume ingredients designed for owners of high-mileage, maintenance-intensive, and relatively expensive cargo vehicles. This additive addresses the needs of those dealing with frequent maintenance and high parts costs.



SCR Cleaning Urea Water (DEF) Additives for Passenger Cars



SCR Cleaning Urea Water (DEF) Additives for Trucks

## “Urea Water(DEF) Additive that Decomposes Accumulated Urea Crystals at Room Temperature”

SCR system failure is a major issue for domestic diesel cars, often caused by urea crystal accumulation. Other causes include disconnection, short circuits, and sensor failures, but the buildup of urea crystals remains the most common problem. Currently, in Korea, the root cause of SCR system failure is not accurately diagnosed, leading to expensive part replacements as the only solution.

The SCR Cleaning Urea Water (DEF) Additive addresses this issue by decomposing accumulated urea crystals at room temperature when mixed with urea water. These crystals are then removed through normal combustion. This additive can resolve urea warning light issues without the need for extensive maintenance and helps extend the life of the SCR system through consistent injection management.



“At a ratio of 10:1, hard crystals are **completely dissolved in 8 to 12 hours**”

The urea water additive effectively dissolves urea crystals that are resistant to removal, even with hot water, within a short period of time through a chemical reaction with urea decomposition. Most crystals are completely dissolved within 12 hours, blending seamlessly with the urea water.



## “World's First Urea Water Additive to Naturally Decompose at Room Temperature, Patent Secured”

POWER DRAG's urea water additive formulation technology, the first of its kind globally, was developed to naturally decompose urea crystals at room temperature. After securing a domestic patent in July 2023, we have also completed the PCT application for international patent protection.

## “Proven by Months of **Field Testing**”



July 26, 2022

Vehicle: Euro6 Iveco Trailer (Plate# 경기 98 바 1256)

Issue: Urea water sensor error leading to low power and distortion due to urea water lumps in the SCR connection.

Outcome: After injecting the urea water additive, engine power improved, operational power was restored, and the sensor error code appeared much later than before.



May 12, 2023 (Left photo)

Vehicle: 19-year-old 25-ton Scania dump truck with a constant driving course.

Mileage: 230,000 kilometers

Issue: Warning light activation.

Outcome: Warning light cleared within 2 hours after additive injection.

April 29, 2023 (Right photo)

Vehicle: 17-year-old Volvo FL 5-ton truck.

Mileage: 400,000 kilometers

Issue: Warning light activation and power limit reached.

Outcome: Warning light cleared 14 days after additive injection.



Injected into Large Commercial Vehicles for 22 Months: Proven Results

After 22 months of injecting urea water additive into large commercial vehicles, significant feedback has been received regarding output and fuel efficiency improvements. To date, no equipment issues such as SCR or sensor failures have been reported following the additive injection. It is important to note that the process of removing urea crystals from the urea tank can occasionally lead to clogging of the urea filter. Consequently, vehicles with long-term urea crystal accumulation are advised to replace the filter in advance. The satisfaction rate after using the additive is exceptionally high at 98%.



Engine Oil Additives  
for Passenger Cars  
**ORIGINAL**



Engine Oil Additives  
for Trucks  
**ULTIMATE**

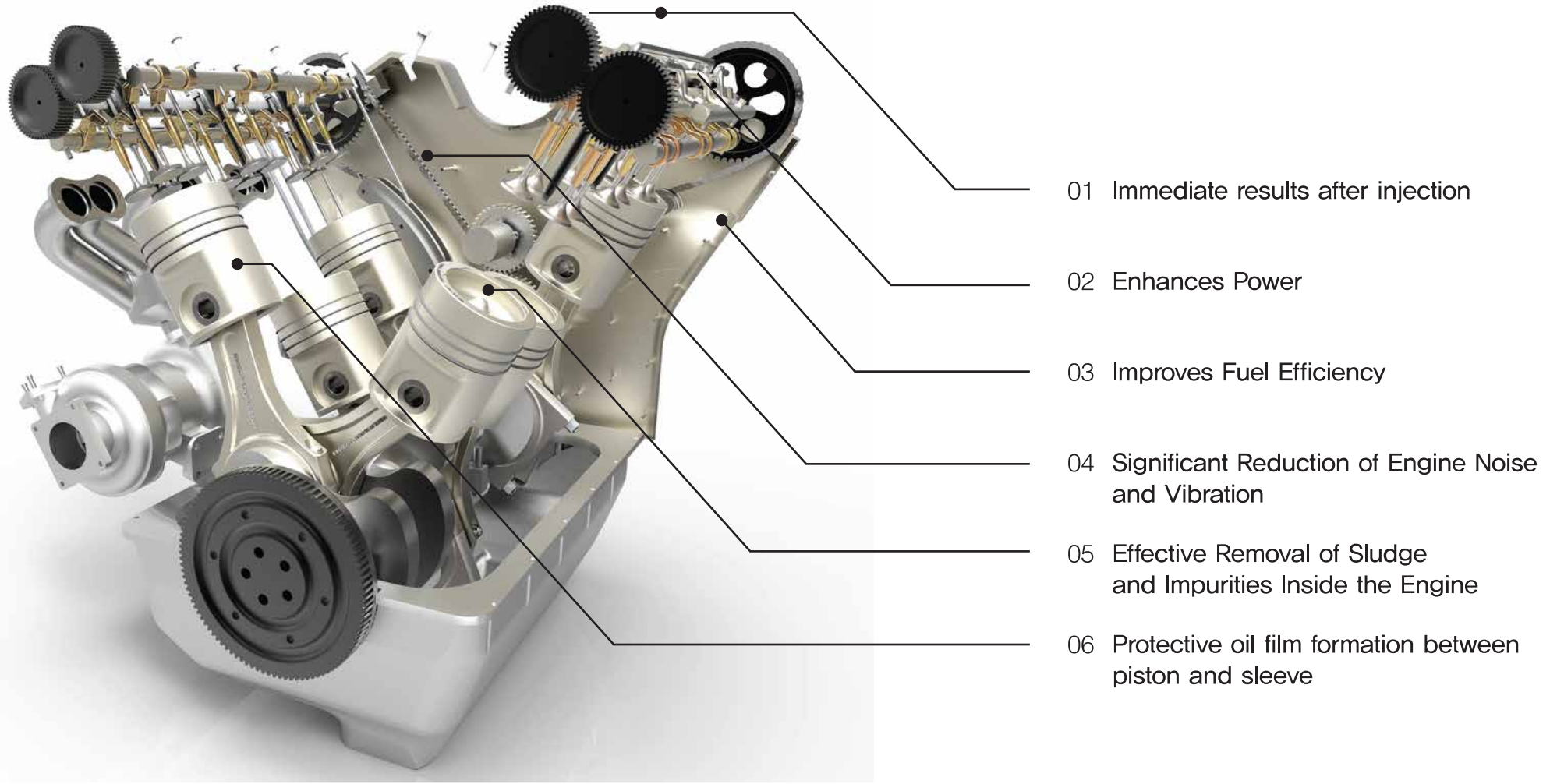
## “Functional Products that Enhance **Engine Performance** by Reducing Friction”

Our engine oil additive is specifically designed to reduce friction between the piston and sleeve of the engine, thereby enhancing performance.

Utilizing POWER DRAG's advanced formulation technology, it employs the finest polar and friction-reducing ingredients to form a protective oil film between metal surfaces. This product excels in removing sludge and impurities from the engine.

By using our engine oil additive, you can significantly reduce engine heat by minimizing piston and sleeve friction, which in turn slows down the oxidation of engine oil and extends its lifespan. The formation of a consistent oil film promotes smooth piston movement, leading to improved acceleration, and reduced engine vibration and noise.

POWER DRAG' s engine oil additives are made entirely from vegetable oil ingredients, ensuring high compatibility with all engine oils without causing any performance issues or mixing problems.





## “Ester Additive for **High-Performance** Engines”

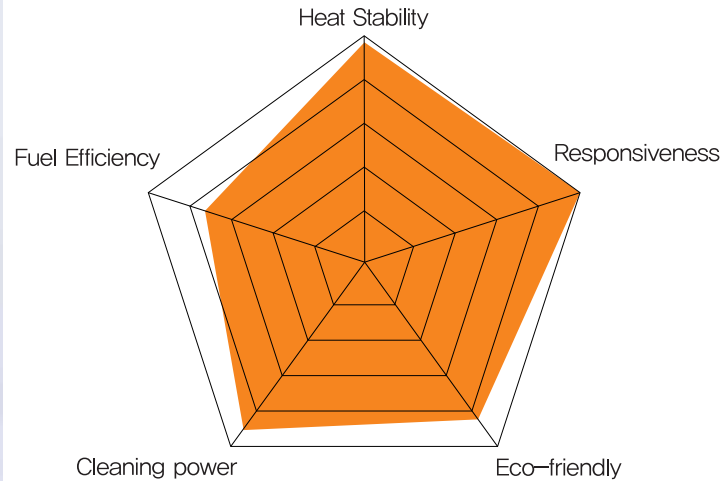
Engine oil additives must be specifically tailored to the performance and heat levels of different vehicles, especially high-performance engines compared to general passenger cars.

Feedback engine oil additives enhance the viscosity of the engine oil in use, minimizing the friction coefficient of the oil film formed. This results in improved acceleration and fuel efficiency while also withstanding harsh environments and extreme pressure conditions. The additive focuses on enhancing thermal oxidation stability, lubricity, and oil durability.

Composed of 100% vegetable oil components based on esters, this eco-friendly additive is POWER DRAG’s top-class additive that reduces emissions, extends engine life, cleans, and protects the engine interior, and prevents engine overheating.



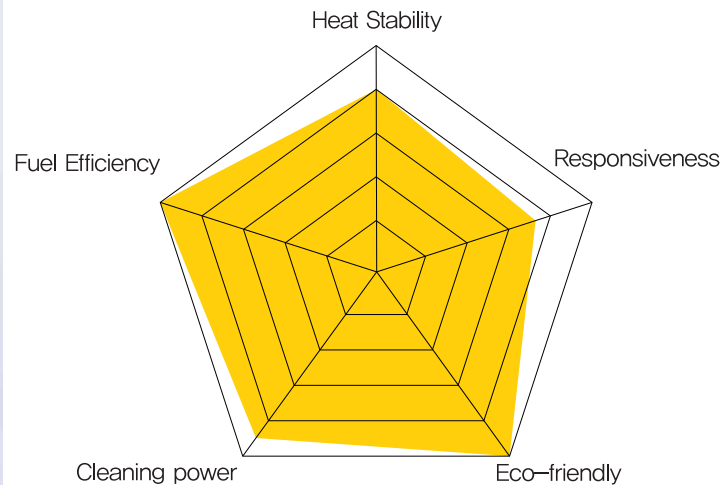
Engine Oil Additives  
**FEEDBACK** – High Performance



- ▷ 60% or more high-speed driving
- ▷ RPM range between 3,000 and 7,000 or higher
- ▷ Primarily for aggressive driving
- ▷ Oil setups: 5W30, 5W40, 0W30, 0W40
- ▷ GDI, turbocharged, 4-cylinder or larger, LPG
- ▷ All cargo vehicles, motorcycles 125CC or larger



Engine Oil Additives  
**ORIGINAL**



- ▷ 60% or more city driving
- ▷ RPM range less than 3,000
- ▷ Primarily for fuel efficiency
- ▷ Oil setups: 5W30, 5W20, 0W30, 0W20
- ▷ GDI vehicles, 4-cylinder or smaller, hybrid, LPG
- ▷ All agricultural equipment, bikes under 100CC



## “POWER DRAG is renowned for its Transmission additive”

Transmission oil additives are sought after primarily due to the transmission shock experienced during operation. Transmission shock can stem from a variety of causes, including mechanical issues like gear wear and disk damage, engine power deficiencies, oil viscosity variations, and improper oil levels. However, the most common cause is hydraulic loss.

Bubbles formed when the transmission is either cold or hot can delay shifting. This delay can lead to contamination of the solenoid valve and hardening of the rubber ring. Prolonged issues can result in gear wear, generating iron powder. This iron powder, combined with oxidized oil, creates sludge that clogs the micropores of the gears, leading to a drop in hydraulic pressure and eventual disk damage.

POWER DRAG Transmission Oil Additive was developed to effectively address sludge and foam formation at high gear rotations. It also reduces the friction coefficient, there by lowering the heat generated in the transmission oil.

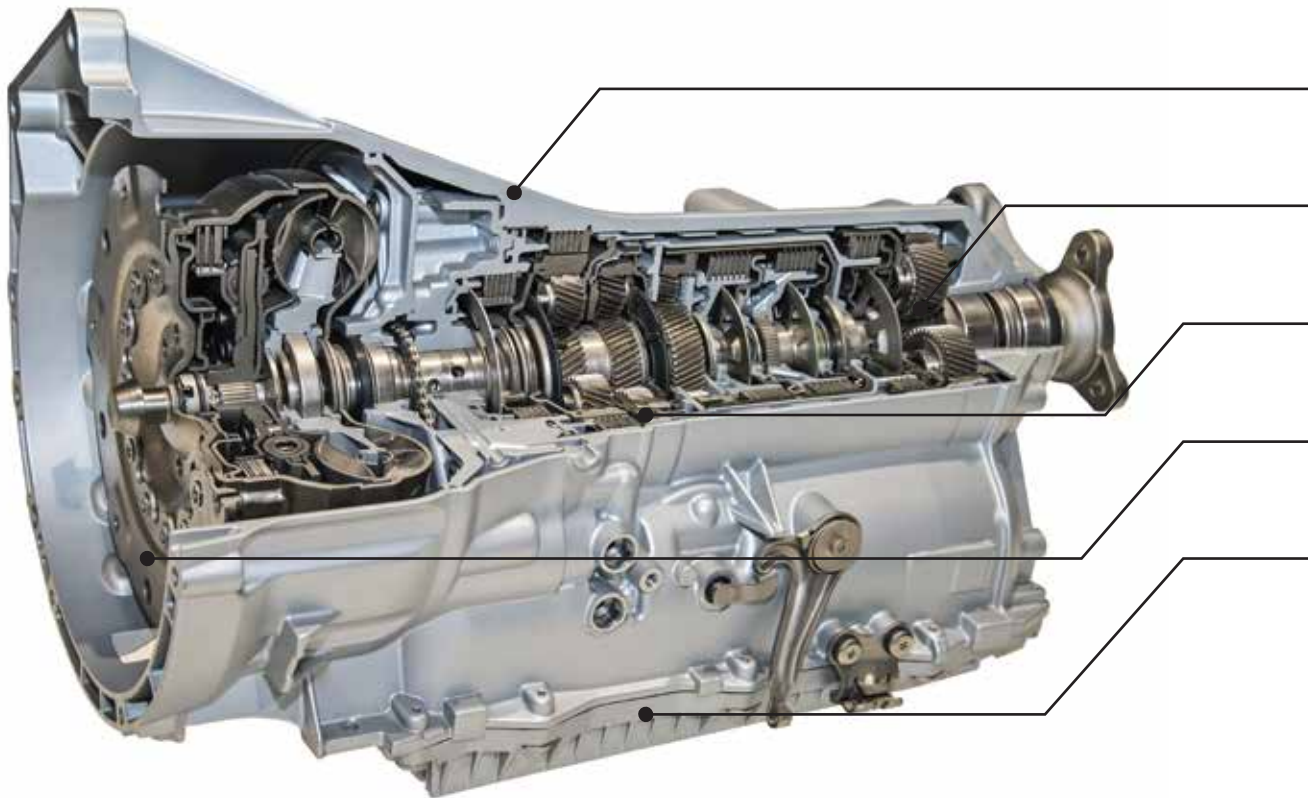
After using this product, the RPM loss during gear shifts is minimized. Drivers will notice a smoother shifting experience, with the sensation of the car being pushed from behind. Additionally, the vehicle maintains cruise control more effectively after the accelerator is released, and braking timing improves due to reduced deceleration.



Transmission Oil Additives  
for Passenger Cars  
**ORIGINAL**



Transmission Oil Additives  
for Trucks  
**ULTIMATE**



- 01 Immediate results after injection
- 02 Reduces mission shock & improves shifting
- 03 Reduces gear coefficient of friction
- 04 Reduces hydraulic and power losses
- 05 Reduces transmission vibration & noise



Differential Gear Oil Additives  
for Passenger Cars  
**ORIGINAL**



Differential Gear Oil Additives  
for Trucks  
**ULTIMATE**

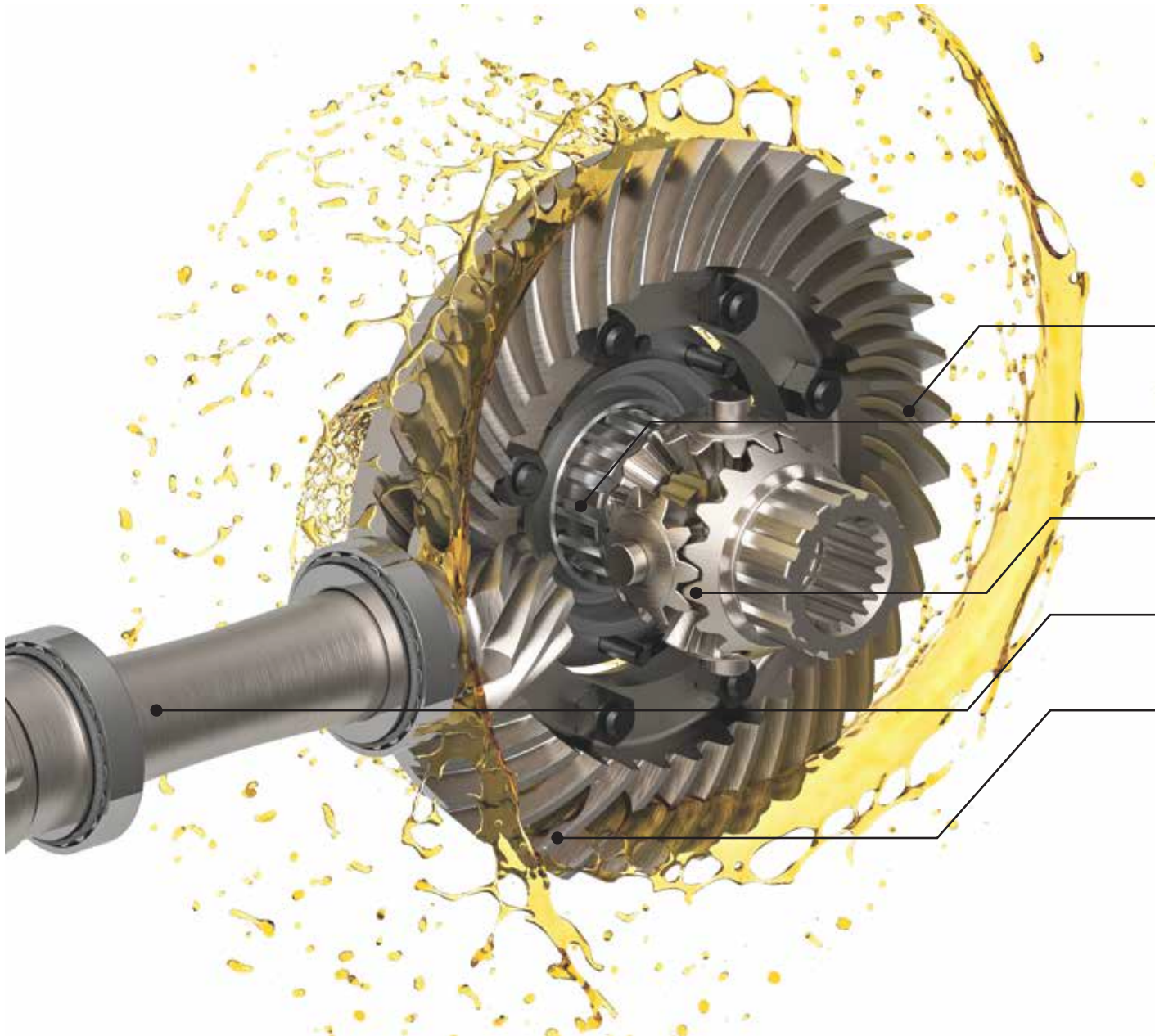
## “An Essential Additive for Differential Gears in Harsh Environments”

Maintaining engine oil and transmission oil is crucial, but neglecting the differential gear can lead to significant power loss. Power losses from engine horsepower to wheel horsepower can range from 8% to 32%, depending on the vehicle manufacturer.

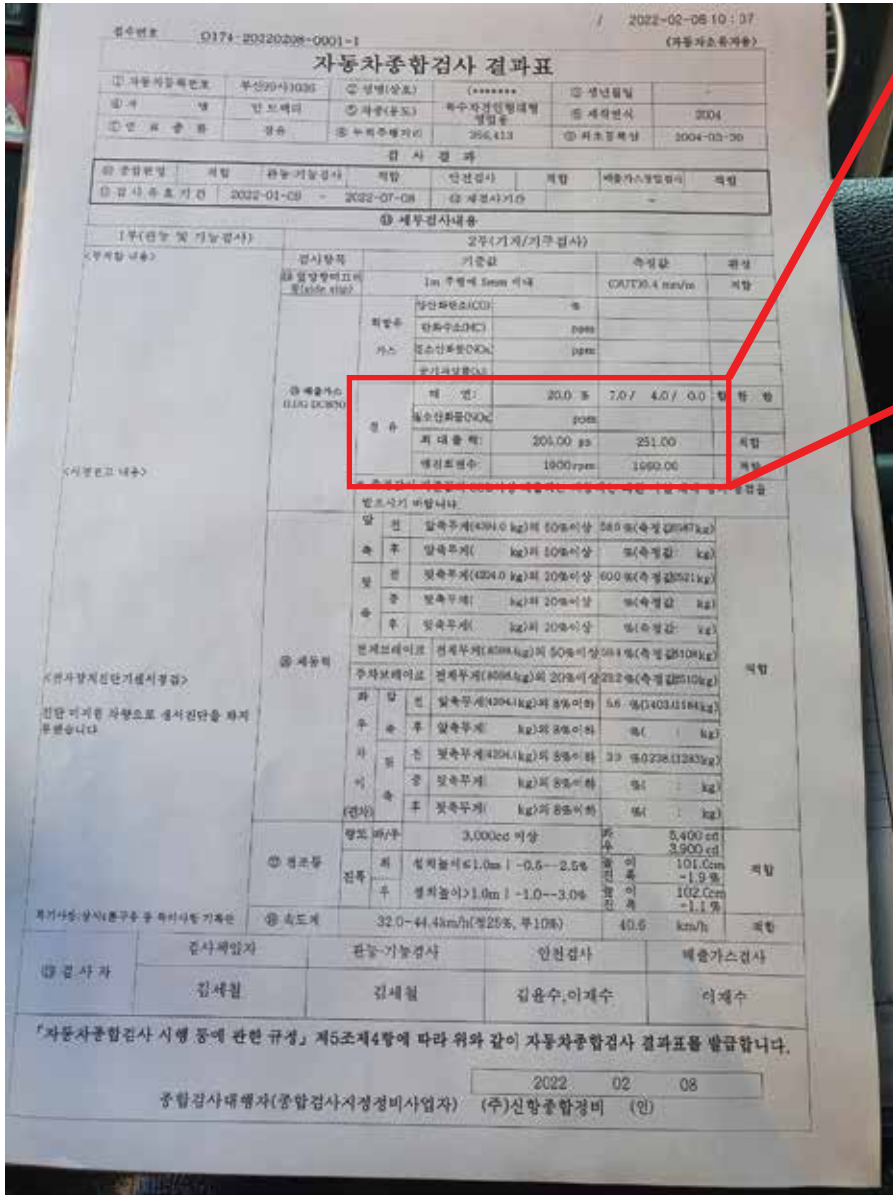
This variation is more influenced by the transmission's drive force and the differential's power transmission than by the engine's power.

If differential oil is not properly managed, it can weaken lubricity, cooling, and hydraulic power. This can cause gear wear, hardening of rubber seals, and an increased coefficient of friction between metals, resulting in poor driving performance, higher fuel consumption, noise, and transmission shock.

To enhance the performance of differential gears, it is vital that the gear oil minimizes the friction coefficient of the gears, prevents the agglomeration of foreign substances and oil sludge, and maintains optimal performance through oxidation stability, even at high temperatures. Differential gear oil additives are designed to meet these requirements, helping to prevent transmission and engine overload.



- 01 Immediate results after injection
- 02 Reduces hydraulic and power losses
- 03 Reduces gear coefficient of friction
- 04 Increases cruising power & improves wheel horsepower
- 05 Reduces gear vibration & noise



	Pass criterion	Measurement record
매 연: Soot	20.0 %	7.0 / 4.0 / 0.0
질소산화물(NOx)	ppm	
최대 출력: Max power	205.00 ps	251.00
엔진회전수: Engine RPM	1900 rpm	1960.00

## “Surprising Results of Heavy Truck Inspections Misinterpreted as Mechanical Failures”

Inspection Data of Plate No. 부산99사1035 (MAN Tractor) – February 22, 2020: This data was obtained using PD's engine oil and additives, without any tuning, and represents the initial inspection results from the inspection center.

The engine RPM was 3.1% higher than the baseline, and the maximum power output was 23% higher. Normally, when a vehicle with 410 horsepower undergoes a regular inspection, if the power output exceeds 50%, it will be sanctioned for abnormal vehicle management, such as illegal tuning. However, it is unusual for the data to be significantly higher than the baseline with only chemical additives. The inspection station mistook it for a mechanical malfunction and conducted two additional inspections.

Examining the soot levels, we see that the first test result was 7%, the second was 4%, and the third was 0%. This demonstrates that PD's chemicals are effective in stabilizing engine heat, inducing complete combustion, and reducing emissions.



STANDARD GASOLINE  
Carbon Removal Field Test



MAXIMUM GASOLINE  
Introduction &  
Performance Explained



EVOLUTION Octane Booster  
Octane Boosting  
Experiment



STANDARD DIESEL  
Carbon Removal Field Test



MAXIMUM DIESEL  
Introduction &  
Performance Explained



FEEDBACK Engine  
Introduction &  
Performance Explained



Additives for  
Trucks/Cargo Vehicles  
Introduction &  
Performance Explained



Urea Water Additives  
Experiment on  
Room Temperature  
Decomposition  
of Urea Crystals



Urea Water Additive  
Experiment on  
Prevention of  
Urea Crystals



**POWER DRAG will always impress customers solely  
through the performance of its products.  
Thank You for Reading.**