

IGNITION TECH Q&A

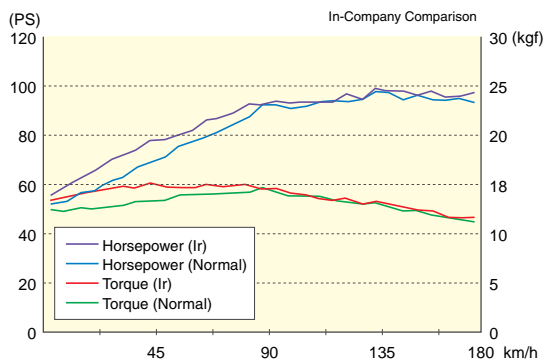


Q&A about Plug Performance

Q.1

Will output and torque increase if I use **IRIDIUM POWER**?

A These are chassis dynamo test results comparing a Vitz 1300 using **IRIDIUM POWER** and another which uses Normal plugs are shown below. With the normal plugs, the output is 98.2PS, while torque is 14.8 kgf; when this was changed to the **IRIDIUM POWER**, the output was 99.3PS, while torque was 15.2 kgf. (This is approximately a 1.5% improvement in output.)



Q.2

Is there a standard for differentiating the uses of **IRIDIUM POWER** and **IRIDIUM RACING**?

A **IRIDIUM RACING** uses a platinum tip for the ground electrode and a high strength fine insulator for racing. Also, there is a silicone coating on the insulator giving it an increased resistance to carbon fouling. However, because of the withdrawn spark position, the **IRIDIUM POWER** has the high ignitability of the two. Instead, because of the "extension" in engine revolution felt by many at high revolutions, it is popular with customers who race. Choose "**IRIDIUM POWER**" for response and "**IRIDIUM RACING**" for high revolutions. **IRIDIUM RACING** is particularly popular on the circuit scene.

Q.3

How does the engine respond to changed settings?

A We sometimes hear that "**IRIDIUM POWER** is too sensitive to setting changes." However, the flip side to sensitivity is that "the response to setting changes is fast and easier," and during races, we hear that it makes setting changes easier. If **IRIDIUM POWER** is used, it should become possible to draw out more performance from your vehicle.



D-1race

Q.4

Will my exhaust emissions be cleaner if I put on **IRIDIUM POWER**?

A Improved combustion efficiency will clean your exhaust emission! Fuel consumption will improve too! With the superior ignitability of ultra-thin electrodes (0.4 mm), combustion efficiency will be improved.

Cleaner Exhaust Emissions

CO and CO₂ levels will decrease in the "EURO III" emissions test to be implemented in the feature.

Improved Mileage

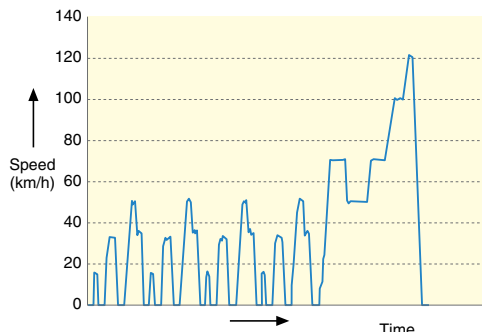
A great bonus for long-distance drivers.

Even for those who are concerned about the environment, we recommend Iridium Power.

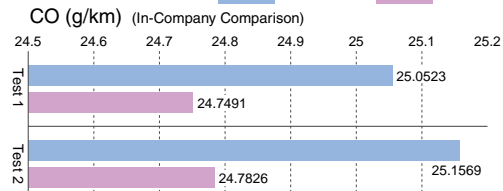
Iridium Plug Motorcycle Emissions Comparison Test

Test Vehicle: CBR250
 Test Conditions: EURO III
 Test Equipment: MEXA-7400, CVS 7100
 Tested Plugs: U24FER9 (Ni Plug) Gap: 0.85
 IUH24 (Ir Plug) Gap: 0.85

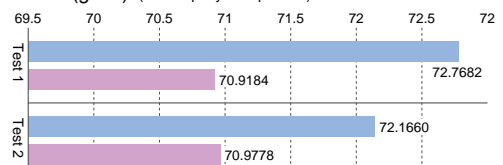
EURO III Test Pattern (In-Company Comparison)



CO (g/km) (In-Company Comparison)



CO₂ (g/km) (In-Company Comparison)



Fuel Consumption (km/L) (In-Company Comparison)

