

What is Marker?

- The marker is a sign.
- It is also known in the literature as "Tracer".
- Should have specific chemical properties
- Do not have any adverse effect on fuel properties
- Homogenized well with the fuel
- Does not harm vehicle engines.

Purpose of Usage

- Preventing fuel smuggling
 - Enables to combat adulteration, dilution and smuggling
 - Recognition of fuels circulating within the country's borders
 - Illicit trade in refined fuels can be substantially reduced with the right fuel marking program combined with supported enforcement policies.

- Taxation of fuels
 - For example, “Red-26” is found in fuels used as heating fuel in the USA. Fuels containing this dye are exempt from federal tax.

Purpose of Usage

- Differentiating fuel types
 - For example, distinguishing between 95 and 97 octane gasoline

- Private company marker for fuel companies
 - provide a powerful way for branded fuel companies to grow revenue, gain competitive advantage, reduce unauthorized fuels in market and eliminate unfair competition.

Benefits of Fuel Marking System

- Protect and Recover Lost Tax Revenue
 - Recover lost excise and value-added tax revenue without raising taxes
 - curb illicit activity
 - recover lost tax revenue
- Prevent Subsidy Abuse
- Determine Illegal Traders and System Abusers

Benefits of Fuel Marking System

- Protect Fuel Quality and the Environment
 - Illicit or smuggled fuels can wreak havoc on engines, leading to major repair costs to vehicles over time.
 - These fuels can cause environmental damage from increased levels of emissions, elevated carbon monoxide and other regulated airborne particles, all of which can be harmful to the environment and public health.
 - Ensure consistent consumer satisfaction by providing quality fuels

Benefits of Fuel Marking System

- Promote Trust in Government Officials
 - Fuel marker system is a great way to give citizens what they deserve
 - stable economy
 - healthy environment
 - trustworthy government maximizing resources for the benefit of its people.
- Collect data and run analytics to find and fill gaps within a fuel supply chain

System Components

- Automated Dosage Injection Unit
- Marker Control Devices
- Reference Laboratories and Reference Devices
- Data Center
- Data Monitoring System
- Audit Personnel

