Health Effects Institute

WORKSHOP ON EFFECTS OF FUEL COMPOSITION ON PM

December 8, 2016.
Some Questions

• What is the connection between emission tests under laboratory/certification conditions and real-world emissions and exposures? How do we find the balance here?

• What are the take-home lessons, and research needs, from the laboratory tests?

• In the context of the potential for human exposure, what is our understanding of whether, and how much, fuel formulation matter (especially after Tier 3 regulation go into effect)?

• What is the likely impact/benefit in terms of exposure of: (1) ethanol (2) aromatics and (3) GDI?

• Is GDI a game changer: Will it change the picture of human exposure, especially when taken in the context of fuel formulations and ethanol blending?

• What are the challenges in meeting the Tier 3 and LEV 3 standards? What is role for ethanol in this context? Or more generally, of fuel formulation?
Workshop Structure

Four Sessions:
1. Background
2. Ambient PM
3. Fuel composition, engine technology, and pm emissions
4. Panel discussion: integrating research and policy issues