A CORRELATION OF DIESEL ENGINE PERFORMANCE WITH MEASUREMENTS NIRM FUEL CHARACTERISTICS

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Can an NIR fuel sensor can be used to provide fuel information to help adjust control parameters for changing fuel characteristics???

**19 diesel fuels**

**SP3H sensor**

**Advanced product classification**

- nParaffin
- Iso Paraffin
- Olefin
- Aromatic
- Cyclanic

**Data analysis**

**HC**

**NOx**

**CO**

**soot**

**MEB50**

**ISFC**

**YES!!!**

**RUN ORDER OF EXPERIMENTS**