

# UMPLIB – KELAS PENDIDIKAN PENGGUNA : SAE MOBILUS

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Founded as a membership & standards organization...

**1905**

- SAE International started in New York City
- Total: 30 members

**1906**

- First SAE technical meeting
- First SAE Transactions published

**1911**

- SAE Bulletin (currently Automotive Engineering International)

**1912**

- First SAE International Meeting
- First SAE Standard published
- First SAE World Congress meeting held in conjunction with the New York Auto Show in Madison Square Garden

**1915**

- First SAE student branch established - Cornell University

**1916**

- Society of Automobile Engineers became Society of Automotive Engineers
- American Society of Aeronautics Engineers and Society of Tractor Engineers merge with SAE
- Orville Wright becomes a member of SAE

**1917**

- First SAE aerospace standard on interchangeable spark plugs issued

**1920**

- First woman joined SAE, Miss Nellie M. Scott
- Lubricants Division of standards committee formed

**1927**

- First SAE award given - Wright Brothers medal

**1936**

- First SAE national aircraft production meeting

**1953**

- First SAE Journal published

**1966**

- SAE publications added international coverage

**1976**

- Collegiate Design Series established with Mira Baja event

**1986**

- SAE Foundation approved

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2023-03-28 | 07:05 上午

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2023-03-28 | 07:00 上午

Searched for [No Keywords Entered]

2023-03-28 | 06:59 上午

Searched for [No Keywords Entered]

2023-03-28 | 06:57 上午

Searched for [No Keywords Entered]

2023-03-28 | 06:56 上午

Searched for [No Keywords Entered]

2023-03-28 | 06:52 上午

Searched for AND V128-99EJ ( In RootCode )

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Save your favorite documents into project folders.

Automatic email notifications for all standards saved in project folders (Adjust Notification Settings)

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How would you like your notifications delivered?:  
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☐ Via email  
☒ Via SAE MOBILUS and via email

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Hello, Shitong!

Test

Test Group member permissions

Remove	Name	Email Address	View	Add	Delete
OWNER	Shitong Xing	shitong.xing@sae.org	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Add Group Member		<input type="text" value="Email Address"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CancelInvite

Hide group permissions

New SubfolderRename FolderArchive FolderDelete Folder

Delete	Item Type	Alerts	Prod Code	Title	Date Added
<input checked="" type="checkbox"/>			J1939DA_202301	J1939 Digital Annex	2023-03-24

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Event: SAE 2014 International Powertrain, Fuels & Lubricants Meeting  
Citation: Harrison, A., Cracknell, R., Krueger-Venus, J., and Sarkisov, L., "Computer Simulation Studies of Adsorption of Binary and Ternary Mixtures of Gasoline Components in Engine Deposits," *SAE Int. J. Fuel Conv.* 7(3):756-761, 2014, https://doi.org/10.4271/2014-01-2719.  
Language: English

**FUELS AND LUBRICANTS**

**Abstract:**  
Carbonaceous deposits can accumulate on various surfaces of the internal combustion engine and affect its performance. The porous nature of these deposits means that they act like a "sponge", adsorbing fuel components and changing both the composition and the amount of fuel in the combustion chamber. Here we use a previously developed and validated model of engine deposits to predict adsorption of normal heptane, isooctane, toluene and their mixtures in deposits of different origin within a port fuel injected spark ignition engine (Combustion Chamber Deposits, or CCDs, and Intake Valve Deposits, or IVDs) and under different conditions. We explore the influence of molecular structure of adsorbing species, composition of the bulk mixture and temperature on the uptake and selectivity behaviour of the deposits. While deposits generally show high capacity toward all three components, we observe that selectivity behaviour is a more subtle and complex property.

**Recommended Content**

Technical Paper	Temperature Gradients in Spark Ignition Engine Combustion Chambers
Technical Paper	The Effect of Combustion Chamber Shape on the Rate of Combustion in a Spark Ignition Engine

Journal Article  
2014-01-2719

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