Gases

Application Note

Energy & Fuels

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Introduction
Gas chromatography with an Agilent CP-Molsieve 5Å column and Agilent 490 Micro GC separates carbon monoxide, oxygen, and nitrogen in 55 seconds.
Conditions

Technique: Micro-GC
GC-Channel: Agilent CP-Molsieve 5Å
Temperature: 100 °C
Carrier Gas: Helium, 26 psig
Injector: 100 ms, 110 °C
BackFlush: after 7 s
Detector: chip TCD

Courtesy: Jim Luong, Dow Chemical Canada

Peak identification
1. oxygen 7%
2. nitrogen balance
3. CO 7%

55 seconds