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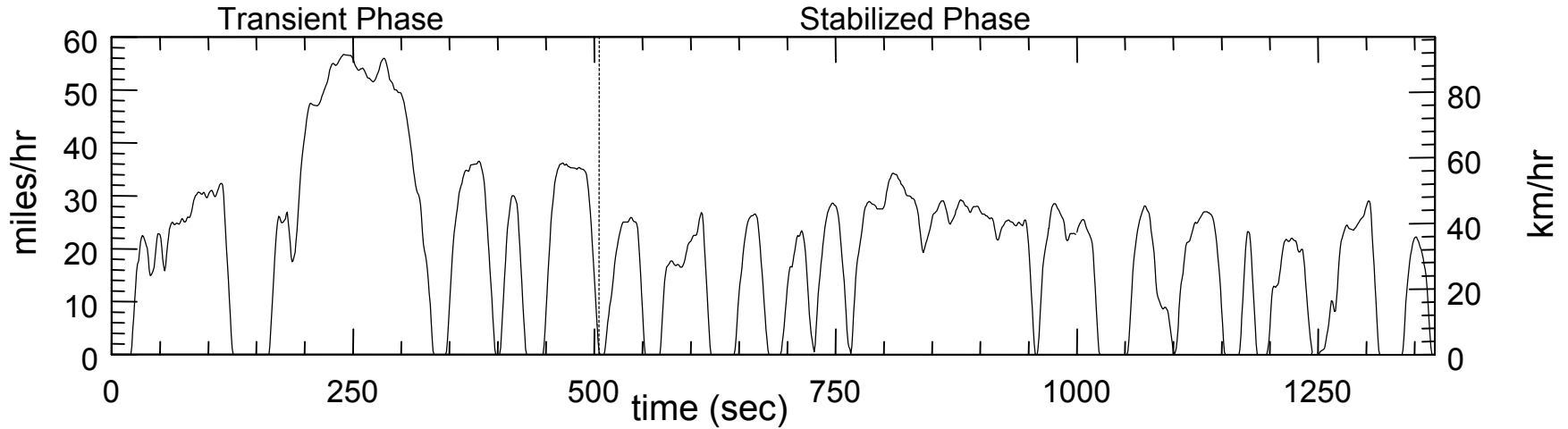
2.61 Internal Combustion Engines

Spring 2008

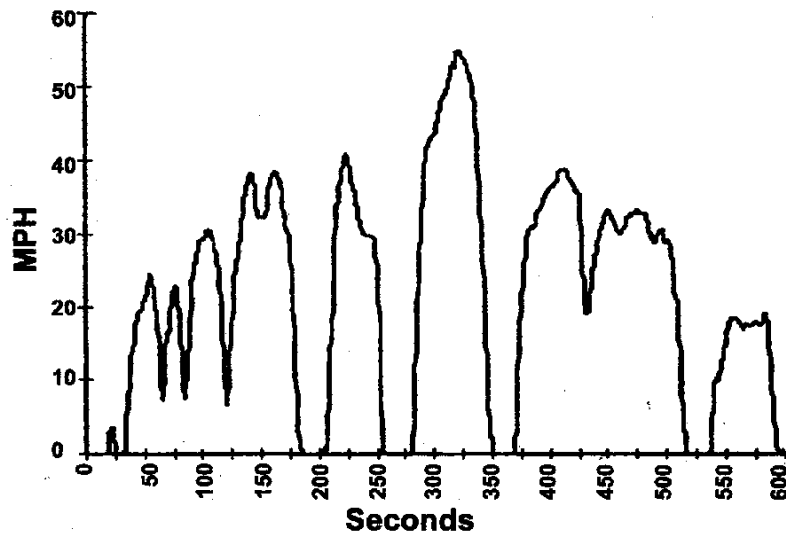
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FTP 23 cycles – Each cycle consists of idle, accel., cruise, and decel. Three test phases:

Transient phase (0-505s); stabilized phase (505 to 1376s); warm start (repeat of first 505 s test after 10 min. shut down)

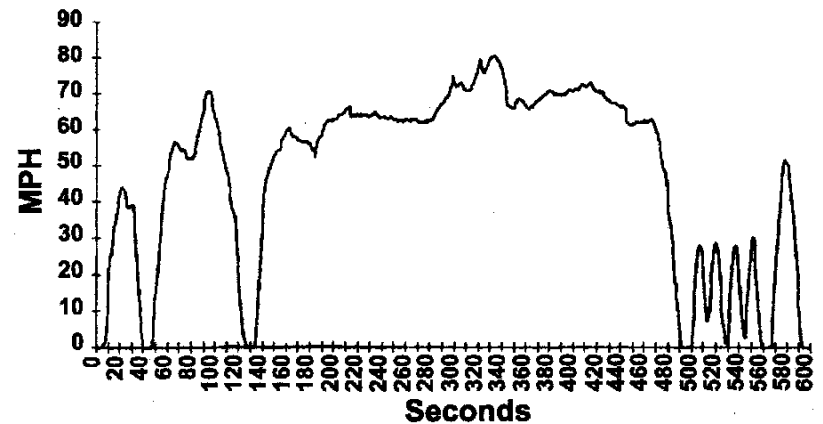


SC03 Air Conditioning Cycle



Total duration : 594 s Max. speed : 54.8 mph

US06 High speed/High load cycle



Total duration : 600 s Max. speed : 80.3 mph
Max. acceleration: 8 mph/second

Air Conditioning Cycle:

10 min. soak, 95°F ambient temperature, 40% relative humidity,
850W/m² solar load, AC max cooling