

Manufacturers Advisory Correspondence 81-002
Mail Out #81-012

STATE OF CALIFORNIA—RESOURCES AGENCY

AIR RESOURCES BOARD LABORATORY

9528 TELSTAR AVENUE
EL MONTE 91731

EDMUND G. BROWN JR., Governor



April 23, 1981

TO: ALL MOTORCYCLE MANUFACTURERS

Enclosed please find our final "Component Bench Test For Evaporative Emissions Control System". The conditions stated in this enclosure are the minimum standards acceptable to the Air Resources Board for determining evaporative emissions bench test deterioration factors.

All questions regarding these standards should be directed to John McClendon, Manager, Engineering Evaluation Section (213) 575-6848 or Richard Kenny (213) 575-6847.

A handwritten signature in black ink, appearing to read "K. D. Drachand", with a long, sweeping underline.

K. D. Drachand, Chief
Mobile Source Control Division

Enclosure

Loading and Purging Tests

III. Loading and Purging Tests

Applicability: HC storing components.

Test Conditions: A test cycle will include loading the HC storing components with Indolene vapors up to 80% by weight of its maximum storing capacity followed by 10 minutes waiting with the system intake port sealed. Then start purging using a flow rate of 1 ± 0.2 CFM @ $20 \pm 5^\circ\text{C}$ for 7.5 minutes.

The method to be used to load the storing components consists of heating a container filled with a pre-measured quantity of Indolene Clear up to 80°C . At 80°C approximately 1/3 of the Indolene will evaporate. The evaporated Indolene should be equivalent to 80% (by weight) of the HC storing capacity of the HC storing components. The Indolene vapors are allowed to enter through the intake of the storing components.

Each test cycle is equivalent to 100 km on the road.

Japanese proposal (para. 2.1, EPPR-05-05) is based on this text.

The source of a regulation : CARB AGING METHOD



- Manufacturers Advisory Correspondences**
- MAC 86-06, Assigned evaporative deterioration factor (PDF - 137K)
- MAC 82-03, Evaporative deterioration factor determination (PDF - 105K)
- MAC 81-005, Motorcycle certification procedures (PDF - 254K)
- MAC 81-002, Evaporative component bench aging procedures (PDF - 263K)
- MAC 80-1, Alternate diurnal temperature profile (PDF - 233K)
- MAC 77-8, Motorcycle line and model (PDF - 70K)

<http://www.arb.ca.gov/msprog/onroad/cert/hmcctp/hmcctp.htm>

The source of a regulation : CARB AGING METHOD

Reference Number :Mail Out #96-38

State of California
AIR RESOURCES BOARD

Descriptive List of California Air Resources Board(ARB's)
Motor Vehicle Related Mail Outs
And
Manufacturers Advisory Correspondence(MACs)

Reference Number: Mail Out #96-38

(This document is available on the
internet at <http://www.arb.ca.gov>)

State of California
AIR RESOURCES BOARD

Descriptive List of California Air Resources Board's (ARB's)
Motor Vehicle Related Mail Outs
and
Manufacturers' Advisory Correspondence (MACs)

Mobile Source Division

December 1998

Revised June 2000

81-012	Component Bench Test For Evaporative Emissions Control Systems 1983 and Subsequent Model Year Motorcycles (SEE MAC 81-02)	04/23/81
81-013	Component Bench Test For Evaporative Emissions Control Systems 1982 and Subsequent Model Year Motorcycles (SEE MAC 81-03)	04/24/81
81-014	Updating Mailing List For Crankcase Devices Manufacturers	04/28/81

MANUFACTURER ADVISORY CORRESPONDENCE
1981

MAC Number	Subject
81-01	California Motor Vehicle Tune-Up Label Specifications (04-08-81)
81-02	"Component Bench Test For Evaporative Emissions Control System": (MOTORCYCLE) (04-23-81)
81-03	"Component Bench Test For Evaporative Emissions Control System" (Light-Duty, Medium-Duty and Heavy-Duty Vehicles) (04-23-81) (See MAC 81-11)
81-04	Fill Pipes and Openings of Motor Vehicle Gasoline Fuel Tanks 1982 and Subsequent Model-Year (06-01-81) (See MAC 81-12)
81-05	Motorcycle Certification Procedures
81-06	"California New Vehicle Compliance Test Procedure on Selected Vehicle Release"
81-07	"Certification Application Format-Recommended Procedures For All Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicle Manufacturers" (07-06-81) (See MAC 82-04)
81-08	"Assigned Deterioration Factors for Small-Volume Manufacturers" (07-29-81) (See MAC 82-05)

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