

REFERENCES

Proposal for Reid Vapor Pressure of Motor Vehicle Gasoline

1. Radian Corporation, CRC-Radian Evaporative Emissions Model: EVAP 2.0, 1987 Annual Report, May 24, 1988.
2. Turner, Mason & Company, U.S. Gasoline RVP Reduction Capabilities and Costs-Prepared for American Petroleum Institute, November 1987.
3. Welstand, J.S., Effects of Reduced Gasoline Volatility on Exhaust Emissions, Driveability, and Fuel Economy, June 10, 1983.
4. Gething, J.A., Welstand, J.S., Summary Report on the Effects of Reduced RVP Gasoline on Early 1980's Model Vehicle Exhaust Emissions and Their Interaction with Temperature, February 1, 1988.
5. Automotive Testing Laboratories, Inc., Emissions and Vehicle Performance with Lower RVP Fuels, January 27, 1988.
6. Painter, L.J., Report of Statistical Analysis of API/Automotive Test Laboratory Program on Low RVP/Low Temperature Effects on FTP Emissions, Fuel Economy, and Driveability.
7. Exxon Research and Engineering Company/American Petroleum Institute, The Effect of Fuel Volatility Variations on Evaporative and Exhaust Emissions, May, 1979.
8. California Air Resources Board, Mobile Source Division, Evaluation of Test Results from the 8 RVP Fuel Evaluation Project, August 18, 1988.
9. Barker, D.A., Gibbs, L.M., Steinke, E.D., The Development and Proposed Implementation of the ASTM Driveability Index for Motor Gasoline, SAE Paper 881668, 1988.
10. Abramo, L., Baxter, C.E., Costello, P.J., Kauhi, F.A., Effect of Volatility Changes on Vehicle Cold-Start Driveability, SAE Paper 892088, September 1989.
11. Coordinating Research Council, Inc., Effects of Fuel Volatility on Driveability of 1980 Model Cars at Low and Intermediate Ambient Temperature, CRC Report No. 524, March 1982.
12. Southwest Research Institute, Fuel Weathering Project Final Report for American Petroleum Institute, SwRI Project 08-2314, July 25, 1989.
13. U.S. E.P.A., Data Base of Evaporative Running Emission Test Results, 1989.
14. ARCO, Inc., Results of Emissions Tests Using EC-1 Fuel, 1989.

15. California Air Resources Board, Mobile Source Division, Evaluation of ARCO's Clean Fuel, Project No. 2F89E4.
16. American Petroleum Institute, Alcohols and Ethers: A Technical Assessment of Their Application as Fuel and Fuel Components, API Publication 4261, July 1988.
17. U.S. E.P.A., Data Base of Emissions Test Results Using Oxygenated Fuels, 1989.
18. California Air Resources Board, Technical Support Division, Ambient Air Quality Data Reports for 1987, 1988, and 1989.
19. California Air Resources Board, Hearing Record on the Adoption of Regulation Limiting the Reid Vapor Pressure of Motor Vehicle Gasoline, January 20, 1971.
20. California Air Resources Board, Technical Support Division, Area Designations for State and National Ambient Air Quality Standards, November 1989.
21. California Air Resources Board, Technical Support Division, Proposed Identification of Districts Affected by Transported Air Pollutants Which Contribute to Violations of the State Ambient Air Quality Standard for Ozone, October, 1989.
22. California Air Resources Board, Aerometric Data Division, California Surface Wind Climatology, June 1984.

Proposal for Deposit Control Additives

1. E. F. Obert, Internal Combustion Engines and Air Pollution, Harper & Row, 1973.
2. R. A. Lewis, H. K. Newhall, R. J. Peyla, D. A. Voss, J. S. Welstand, A New Concept in Engine Deposit Additive for Unleaded Gasolines, Society of Automotive Engineers of Japan, Inc., Paper No. 830938, 1983.
3. J. A. Bert, J. A. Gething, T. J. Hansel, H. K. Newhall, R. J. Peyla, and D. A. Voss, A Gasoline Additive Concentrate Removes Combustion Chamber Deposits and Reduces Vehicle Octane Requirement, SAE Paper No. 831709, 1983.
4. Standard Specification for Automotive Gasoline (D 439), 1986 Annual Book of ASTM Standards, Volume 05.01, American Society for Testing and Materials, 1986.
5. R. C. Tupa and C. J. Dorer, Gasoline and Diesel Fuel Additives for Performance/Distribution Quality - II, SAE Paper No. 861179, 1986.
6. J. B. Benson and D. A. Yaccarino, The Effects of Fuel Composition and Additives on Multiport Fuel Injector Deposits, SAE Paper No. 861533, 1986.
7. B. Y. Taniguchi, R. J. Peyla, G. M. Parsons, S. K. Hoekman, and D. A. Voss, Injector Deposits - The Tip of Intake System Deposit Problems, SAE Paper No. 861534, 1986.
8. R. C. Tupa and D. E. Koehler, Gasoline Port Fuel Injectors - Keep Clean/Clean Up with Additive, SAE Paper No. 861536, 1986.
9. D. L. Lenane and T. P. Stocky, Gasoline Additives Solve Injector Deposit Problems, SAE Paper No. 862537, 1986.
10. J. A. Gething, Performance-Robbing Aspects of Intake Valve and Port Deposits, SAE Paper No. 872116, 1987.
11. B. Bitting, F. Gschwendtner, W. Kohlepp, M. Kothe, C. J. Testroet, and K. H. Ziwick, Intake Valve Deposits - Fuel Detergency Requirements Revisited, SAE Paper No. 872117, 1987.
12. A. A. Quader, How Injector, Engine, and Fuel Variables Impact Smoke and Hydrocarbon Emissions with Port Fuel Injection, SAE paper No. 890623, 1989.
13. O. L. Nelson, Jr., J. E. Larson, R. S. Fein, D. D. Fuller, G. K. Rightmire, R. W. Krumm, and G. E. Ducker, A Broad-Spectrum Non-Metallic Additive for Gasoline and Diesel Fuels: Performance in Gasoline Engines, SAE Paper No. 89214, 1989.

14. Toyota Motor Corporation, presentation at the CRC Intake Valve Deposit Workshop, 1989.
15. Texaco Research Center, Effects of Intake and Combustion System Deposits on Regulated Exhaust Emissions, presentation for California ARB, April 1990.

Proposal to Eliminate Leaded Gasoline in California

- (1) California Air Resources Board, Public Hearing to Consider Amendments to Section 2253 and Adopting Section 2253.2 of Title 13, California Administrative Code Regarding Lead in Gasoline, September 1982, Stationary Source Control Division.
- (2) "The Effects of Low-Lead and Unleaded Fuels on Gasoline Engines", A Report to the U.S. Environmental Protection Agency, Office of Policy Analysis, by Christopher S. Weaver of Energy and Resource Consultants, Inc., September 28, 1984.
- (3) J. Schwartz, H. Pitcher, R. Levin, B. Ostro, and A. Nichols, Costs and Benefits of Eliminating Lead in Gasoline: Final Regulatory Analysis, U.S. Government Printing Office, Washington, D.C., 1985.
- (4) California Air Resources Board, Technical Support Document to Control Plan for Airborne Ethylene Dichloride, March 1987, Stationary Source Division.
- (5) California Air Resources Board, Technical Support Document - Public Hearing to Consider the Adoption of a Regulatory Amendment Identifying Ethylene Dichloride as a Toxic Air Contaminant, August 5, 1985, Stationary Source Division.
- (6) California Air Resources Board, Technical Support Document-Public Hearing to Consider the Adoption of a Regulatory Amendment Identifying Ethylene Dibromide as a Toxic Air Contaminant, July 26, 1985, Stationary Source Division.
- (7) R.P. Doelling "Engine's Definition of Unleaded Gasoline", SAE Paper No. 710841.
- (8) Kent, W.L., and Finnigan, F.T., "Effect of Some Fuel and Operating Parameters on Exhaust Valve Seat Wear", SAE Paper No. 710368 (or No. 710673).
- (9) Schoonveld, G.A.; Riley, R.K.; Thomas, S.P.; and Schiff, S., "Exhaust Valve Recession with Low Lead Gasoline", SAE Paper No. 861550.
- (10) Croudace, M.C., and Wusz, T., "The Effect of Low Lead Gasoline and Some Aftermarket Lead Substitutes on Exhaust Valve Seat Wear", SAE Paper No. 872076.
- (11) Giles, W.S., "Valve Problems with Lead-Free Gasoline", SAE Paper No. 710368.
- (12) Felt, A.E. and Korley, R.V., "Engine and Effects of Lead-Free Gasoline", SAE Paper No. 710367.

- (13) Pahnke, A.J., and Bethany, W.E., "Role of Lead Antiknocks in Modern Gasoline", SAE Paper No. 710842.
- (14) D. Godfrey and R.L. Courtney, "Investigation of the Mechanism of Exhaust Valve Seat Wear in Engines Run on Unleaded Gasoline", SAE Paper No. 7710356.
- (15) E.J. Fuchs, "Unleaded Versus Leaded Fuel Results in Laboratory Engine Tests", SAE Paper No. 710676.