



## **CODE BULLETIN C-38**

### **American Chemistry Council Product Approval Code of Practice August 2007 Edition**

**To:** Practitioners of the American Chemistry Council  
Product Approval Code of Practice

**Original  
Issue Date:** August 22, 2008

**Effective  
Date:** September 23, 2008

**Re:** Product Approval Code of Practice – August 2007 Edition  
Appendix H Guideline 5

The August 2007 edition of the American Chemistry Council (ACC) Product Approval Code of Practice (COP) incorporates the proposed text for Appendix H Guideline 5. Existing and proposed text is provided below.

#### **Appendix H**

**Pages H-3 and H-4 Existing text:**

***5. Variations in zinc dialkyl dithiophosphate (ZDP) type and treatment level are acceptable changes with appropriate Level 1 or Level 2 support.***

- a) Rebalance of zinc dialkyl dithiophosphate (ZDP) is acceptable with Level 2 support within a variance of plus/minus 50% absolute (based on phosphorus content of ZDPs used). For example, if a 50/50 mixture of ZDPs (A and B) is used in the original formulation, mixture changes bounded from 100%/0% to 0%/100% ZDP A/ZDP B would be allowed at a constant formulation phosphorus level. If the original formulation contains a single ZDP, up to 50% absolute of the phosphorus contribution from that ZDP could be replaced by a like contribution from a second ZDP. Such a rebalance counts as one minor modification. Only one ZDP rebalance is allowed.***
- b) An increase in treatment level of zinc dialkyl dithiophosphate (ZDP), in a formulation where the phosphorus level from ZDP is greater than 0.04%, up to a maximum of 0.12 % phosphorus from ZDP is acceptable with Level 2 support for the Sequence VIB and Level 1 support for all other engine tests. For increases above 0.12% P from ZDP, Level 2 support is required for all engine tests. Alternatively, Guideline H2 or H3 could be used if applicable.***

## **Appendix H**

Pages H-3 and H-4 Proposed text:

***5. Variations in zinc dithiophosphate (ZDP) type and treatment level are acceptable changes with appropriate Level 1 or Level 2 support.***

- a) Rebalance among zinc dithiophosphates (ZDP) is allowed while maintaining a constant formulation phosphorus level with Level 2 Support. This may include introduction of a new ZDP; only one new ZDP introduction is allowed. Such a rebalance counts as one minor modification. Only one ZDP rebalance is allowed.***
  
- b) An increase in treatment level of zinc dithiophosphate (ZDP), in a formulation where the phosphorus level from ZDP is greater than 0.04%, up to a maximum of 0.12 % phosphorus from ZDP is acceptable with Level 2 support for the Sequence VIB and Level 1 support for all other engine tests. For increases above 0.12% P from ZDP, Level 2 support is required for all engine tests. Alternatively, Guideline H2 or H3 could be used if applicable.***

The COP is available online at <http://www.americanchemistry.com/paptg>. Replacement pages will be available for download on the effective date for this Code Bulletin, September 23, 2008. Comments to this Code Bulletin should be sent to the PAPTG Manager, [W.D. \(Doug\) Anderson](#).