

Caterpillar C13 BOI-VGRA Lubricants Committee Ballot

**ASTM HDEOCP Meeting
December 6, 2005,
Norfolk, VA**

Overview / Status

- **Potential lack of comprehensive Cat C13 read-across was a major concern within the industry**
 - ❖ *Limited testing capacity for timely completion of PC-10 programs*
 - ❖ *Very expensive engine test (>\$125K)*
- **The API BOI-VGRA TF worked to develop a “progressive” BOI proposal & VGRA for the Cat C13**
 - ❖ *BOI defined around properties of the base oil mixture; not traditional Groups (I through V) & base stock slate*
 - ❖ *Viscosity index used as a property in addition to saturates & sulfur*
 - ❖ *Options to read from a single test, or define a range based on two tests*
 - ❖ *VGRA proposal similar to existing Cat single-cylinder test; covers a limited number of viscosity grades (15W-40, 10W-30, 10W-40)*
- **Lubricants Committee ballot to finalize guidelines issued, return due December 16**