

Caterpillar 1N

- Although less sensitive than the 1P test at CH-4 limits, the 1N test at CG-4 limits is a difficult hurdle for the higher SASH / TBN oils anticipated for PC-9 formulations.
- Data shared by Caterpillar at the July 11 HDEOCP meeting suggests that “PC-9 type” oils, while showing increased levels of Top Groove Fill and Crownland Carbon, can still control oil consumption.
 - Caterpillar has requested additional 1N data with “PC-9 type” oils.
- Infineum suggests relaxed limits for WDN, TGF and CLC compared to CG-4, while maintaining oil consumption at CG-4 limits.
 - This relaxation should NOT impact backward compatibility, as performance should be based category to category, not test to test.
 - PC-9 oils offer enhanced overall performance in terms of soot induced wear protection, deposit control, corrosion protection and low temperature pumpability compared to CG-4 oils.