

T8-E - ISBV108 Equivalency Matrix

Statistics Group

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Statistics Group

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- Phil Scinto, Lubrizol
- Sean Moyer, TMC
- Seth Demel, Shell
- Travis Kostan, SwRI
- Todd Dvorak, Infineum

The Request

Two ISBV108 test results were shared on RO 1004 and 1005 from test development. There are two aspects of the plan that we are seeking stats group feedback:

- My original proposal included only the four additional RO 1005 tests. We seeking comments from the stats group on the value of four additional tests compared to the six additional tests outlined below, as well as the value of including two different technologies, RO 1005 and RO 834.

Mack T-8E to ISB Viscosity equivalency test proposal

Test Oil	Test plan
RO 1005	Four ISBV108 tests; two at each lab
BOI/VGRA test oil (15W-40 version of RO 834 in BO 1)	One Mack T-8E
BOI/VGRA test oil (15W-40 version of RO 834 in BO 2)	One Mack T-8E

The Proposal

- Technology 1 as a 15W-40 may be run in the T8-E to help establish correlation between the T8-E and ISBVIS108
- ISBVIS Target Estimates for Technology 1 as a 15W-40

Technology	Grade	Base Oil	soot @12 cSt	LSMean	Saturates
1	15W-40	IIA	3.54	3.56	Low
1	15W-40	IIC	3.83	3.87	High
1	15W-40	IIE	3.63	3.72	High

- Run 7 additional tests with the below matrix

Proposed Matrix	T8-E	ISBV108
RO1005	plenty	1+3
Tech1 15W-40 base oil 1	2	1+0
Tech1 15W-40 base oil 2	2	1+0
Run T8-E in one lab if possible		