

Lubrizol Proposal for Sequence IIIF to Sequence IIIE Correlation for API "C" Categories

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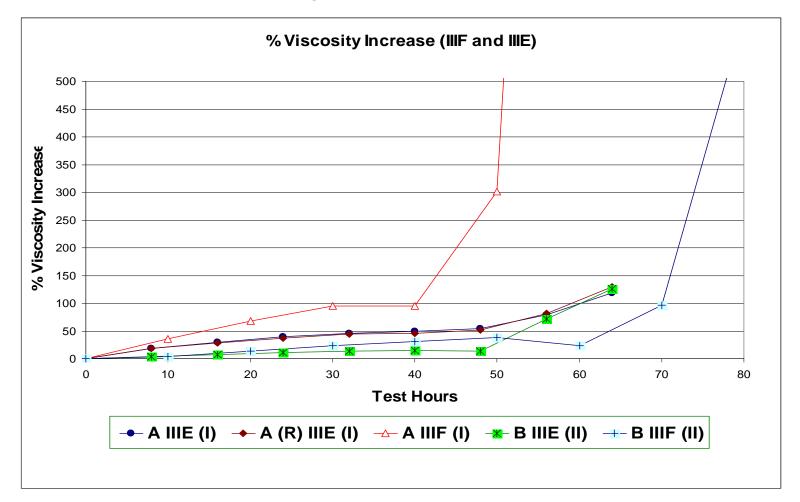
Correlating the Sequence IIIF to IIIE for use in API "C" Categories

Oil Code	Oil Quality	SAE Viscosity Grade	Base Oil Group	IIIE% Viscosity Increase @ 64 hrs.	Predicted IIIF Viscosity Performance	IIIF% Viscosity Increase @ 60 hrs.	IIIF% Viscosity Increase @ 80 hrs.
Oil A (Original)	CH-4/SJ	15W-40	I	A IIIE (1) 119	Fail	A IIIF (I) 2784	A IIIF (I) 9761
Oil A (Repeat)	CH-4/SJ	15W-40	I	A (R) IIIE (I) 130	Fail		
Oil B	CH-4/SJ	15W-40	II	B IIIE (II) 126	Pass	B IIIF (II) 23.2	B IIIF (II) 614.2



ATTACHMENT 17, 3 OF 4

Correlating the Sequence IIIF to IIIE for use in API "C" Categories





ATTACHMENT 17, 4 OF

Correlating the Sequence IIIF to the Sequence IIIE for use in API "C" Categories

Recommendations:

Viscosity increase limits based on the data from the oils run in both IIIE and IIIF Tests.

- Adopt a IIIF Limit for API CG-4:325% Viscosity Increase @ 60 hours
- Adopt a IIIF Limit for API CH-4:295% Viscosity Increase @ 60 hours

