

CJ 4 & Future Concerns

- CJ-4 Oil Field Performance has been good
- Chemical Limits – OK – No Issues
- Engine Test support – 2015 - IIIG ?
- 2015 Test Development – Performance Change?
- Additional Performance Requirements
 - Oxidation – IIIF-IIIG SL-SM Robo?
 - TBN Depletion & TAN Increase
 - Shear Stability (Correlation?) KRL Test?, etc
 - Aeration (EOAT Discrimination Concern) – New Test?
 - Turbo Deposits ??
 - Fuel Economy (3.5 HTHS?)
 - Bio Diesel Compatibility
- Review Test Redundancy

12/07/10 HDEOCP

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