



EMA CJ-4

- CJ-4 Oil Field Performance

- Chemical Limits – OK – No Issues with EATS

- Additional Performance Issues

Oxidation – IIIF-IIIG SL-SM Robo
Asking for HD test data in Robo

Shear Stability (Correlation?)

Aeration (EOAT Discrimination Concern) No Response Surv Panel

Water Emulsion

Oil Filter Plugging

Fuel Economy (< 3.5 HTHS)

Turbo Deposit Test?



PC 11

- No Specific Requirement for Performance Improvement Identified for US10 Compliant Engines

Letter to API to Change Language – CJ 4
Recommended/Required for US10 Engines

EMA – Biodiesel Status

B20 Effects on Engine Oil

- Performance Concerns

NBB/EMA Testing T12, ISB, C13

Oxidation
Deposits

Corrosion

TAN >

Fuel Dilution

Oil Drain Interval Reduction

Post Injection Test ?

Bio Spike of Engine Oil ?

After Treatment?
(SCR Catalyst?)

- Recommendations

Support Task Force

Bio Compatibility Bench Test Task Force
Oxidation, TAN, Corrosion, Fuel Dilution

Oil Analysis Test Development Task Force
Methods – Bio - Used Oil Analysis