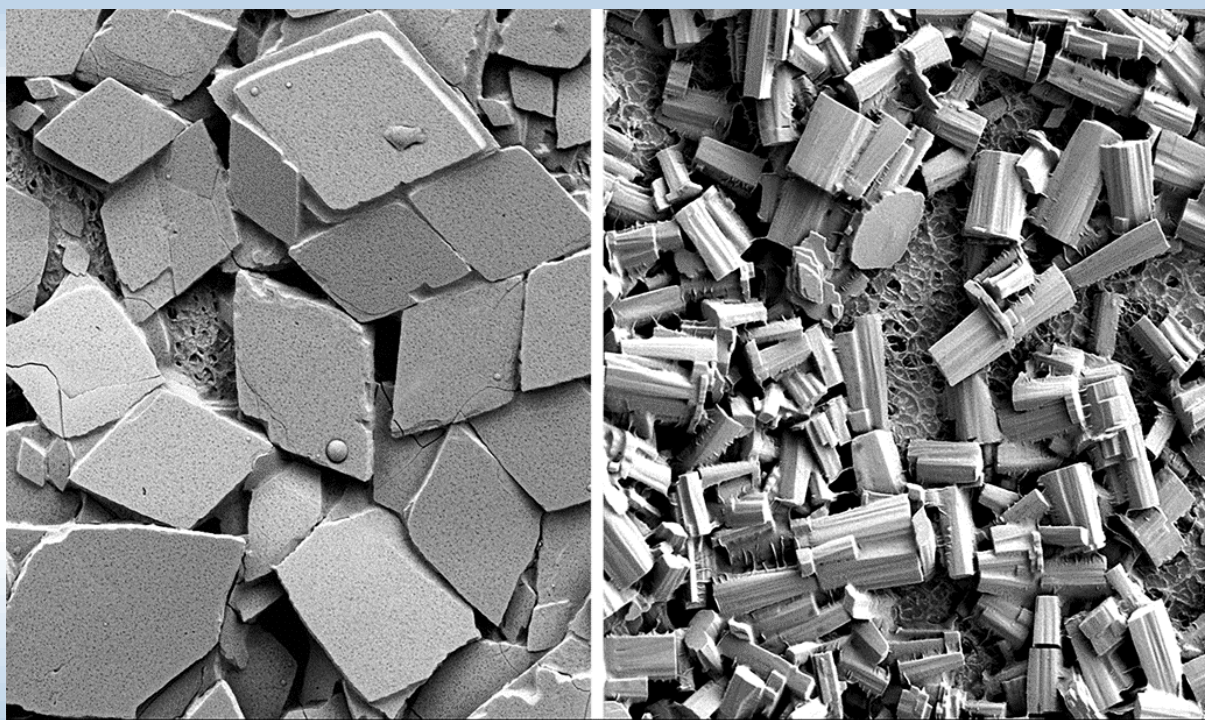


HP PPD ULSD

Engineered for Extreme Cold, Optimized for ULSD

Novel Methacrylate Chemistry

Superior CFPP and Pour Point ($< -33^{\circ}\text{C}$) Depression



Enhanced Low-Temperature Performance

Low Treat Rates

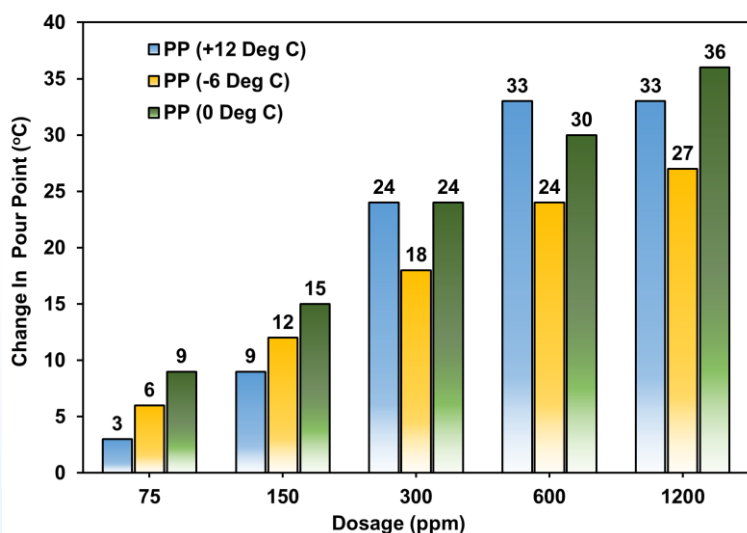
100% Import Substitution

Improved Fuel Filterability

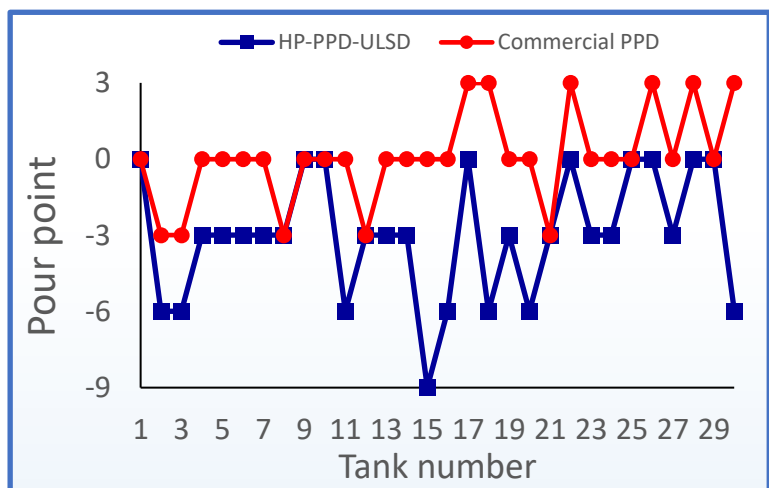
HP PPD ULSD

Engineered for Extreme Cold, Optimized for ULSD

- ✓ Inhibits wax crystal formation, ensuring smooth fuel flow in extreme cold conditions.
- ✓ Achieves lower pour points at reduced dosages for cost-effective ULSD treatment.
- ✓ Has no impact on other diesel fuel properties
- ✓ Ensures consistent performance across diesel fuels with varying wax content.



Lab Scale Evaluation



Refinery Trials

- ✓ HP PPD ULSD outperforms commercial additives, achieving an average pour point of -3°C versus 0°C at similar dosages

HP PPD ULSD

Engineered for Extreme Cold, Optimized for ULSD

HPGRDC's Novel Pour Point Depressant for ULSD

Delivering
Happiness®

