



Renewable Energy Group®

AN INDUSTRY LEADER

Renewable Energy Group is one of the nation's leading biodiesel companies, having sold approximately 25% of all biodiesel utilized in the United States in 2009. REG has been in the biodiesel business for more than a decade, and built a reputation for being a reliable supplier of high quality fuel year round across North America.

Biodiesel Production Capacity Supported by National Infrastructure:

- Current: The REG network includes four wholly-owned biodiesel manufacturing businesses totally 122 million gallons of annual production. Five additional independent biodiesel plants bring the network total to more than 300 million gallons of annual production capacity.
- Under construction: The REG network has two biodiesel plants currently under construction: Emporia, Kansas; and New Orleans, Louisiana.
- REG-9000™ biodiesel is marketed through existing petroleum infrastructure.

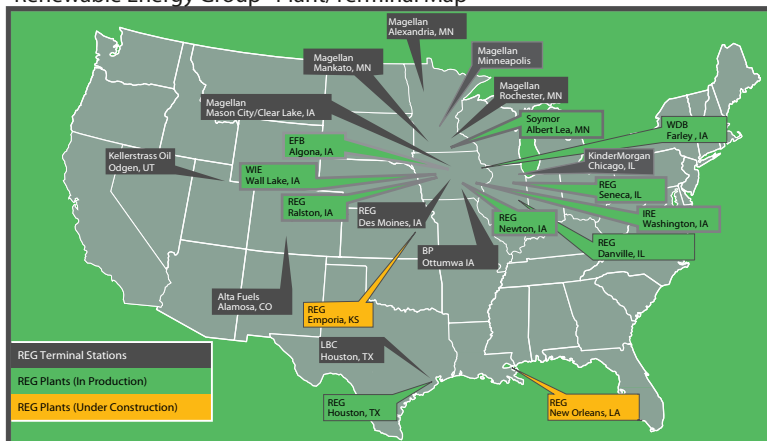
Redefining Quality:

- REG takes exceptional measures to ensure it produces and markets only the highest quality biodiesel available for purchase in the market today.
- Every gallon of REG-9000™ biodiesel meets or exceeds ASTM D6751 industry specifications regardless of feedstock.
- REG is the only biodiesel company that markets a line-up of biodiesel products, REG-9000/1, REG-9000/5 and REG-9000/10. Each product has specific attributes important to individual customers.
- REG is one of only a few companies in the industry to have achieved BQ-9000 status as Producers and Marketers.
- A Certificate of Analysis is provided for each lot of REG-9000™ biodiesel sold.

Sales & Marketing Resources:

- REG sales representatives have extensive experience marketing biodiesel with customers across the country and can address technical issues you may have.
- REG sales representatives have a strong working knowledge of federal and state incentives that may be available for biodiesel in your local markets.
- REG markets biodiesel in all 48 continental states, Hawaii and Canada
- You can purchase biodiesel via long-term contracts or on a spot basis.

Renewable Energy Group® Plant/Terminal Map



REG-9000TM Product Lineup

REG-9000/1		REG-9000/5		REG-9000/10	
Cloud Point	-2 - +2°C (28-36°F)	Cloud Point	3-7°C (37-45°F)	Cloud Point	8-12°C (46-54°F)

Test	ASTM Limit	REG-9000 TM Limit	
Cloud Point	Report Value	See Above	REG-9000 TM Exceeds ASTM Limits
Free Glycerin	0.020 %mass, max	0.014 %mass, max	
Total Glycerin	0.24 %mass, max	0.160 %mass, max	
Free Water & Sediment	0.05 %vol, max	0.020 %vol, max	
Acid Number	0.50 mg KOH/g, max	0.40 mg KOH/g, max	
Kinematic Viscosity @ 40 °C	1.9 – 6.0 mm ² /sec	3.8 – 5.0 mm ² /sec	
Copper Strip Corrosion	No. 3, max	No. 1, max	
Na and K, combined	5 ppm, max	1.5 ppm, max	
Ca and Mg, combined	5 ppm, max	1.5 ppm, max	
Cold Soak Filtration Time	360 sec	200 sec/360 sec**	
Monoglycerides	Not required	0.50 %mass, max	
Diglycerides	Not required	0.20 %mass, max	
Triglycerides	Not required	0.20 %mass, max	
Moisture (Karl-Fischer)	Not required	400 ppm, max	
Visual Inspection	Not required	1, max	
Relative Density @ 15 °C	Not required	0.86–0.90	
Sulfur: S 15 Grade	15 ppm, max	15 ppm, max	
Oxidation Stability*	3 hrs, min	3 hrs, min	
Cetane	47, min	47, min	
Flash point	93°C, min	93°C, min	
Alcohol Control: Methanol	0.2 %vol, max	0.2 %vol, max	
Phosphorous	0.001 %mass, max	0.001 %mass, max	
Carbon Residue, 100% sample	0.050 %mass, max	0.050 %mass, max	
Sulfated Ash	0.020 %mass, max	0.020 %mass, max	
Distillation at 90% Recovered	360°C, max	360°C, max	



* REG can add antioxidant to meet any customer stability requirement up to 10 hours.

** REG-9000/1 and REG-9000/5 have a cold soak filtration limit of 200 sec.; REG-9000/10 has a cold soak filtration limit of 360 sec.

REG's network includes BQ-9000 Producers and/or Marketers.

