



ALBEMARLE®

New liquid biodiesel stabilizer with optimized performance

Albemarle, a market leader in cost-efficient biodiesel stabilization solutions, is proud to announce the release of ETHANOX® 4760E, the latest in its range of biodiesel stabilizers.

Biodiesel can come from many different sources, for example, soybean oil, animal fat, palm oil, rapeseed oil and yellow grease. Biodiesel derived from yellow grease is made from an abundant and underutilized resource, used cooking oil from restaurants, the cheapest feedstock thus far targeted for bio-based fuel production.

The manufacturing process for biodiesel removes natural antioxidants and leaves the fuel unprotected from oxidative degradation. This causes a build-up of gums and acids in the engine that causes poor combustion, fuel-filter plugging and other problems such as deposits on injectors and pistons. ETHANOX antioxidants have the ability to trap the free radicals that lead to the development of gums and, therefore, considerably reduce the level of oxidations.

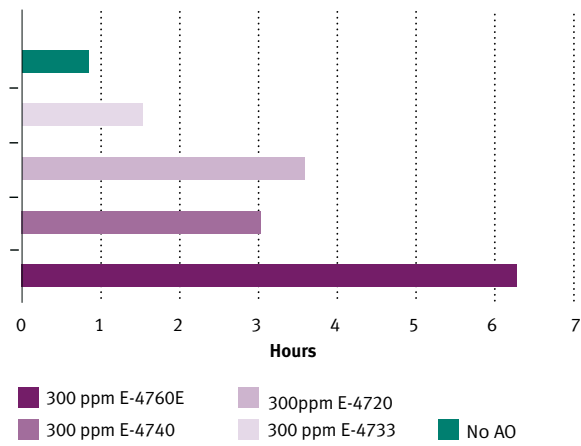


Figure 2: Results from yellow grease treated with four different EthanoX stabilizers available from Albemarle (Rancimat test). This test clearly shows the superiority of our newly developed EthanoX 4760E

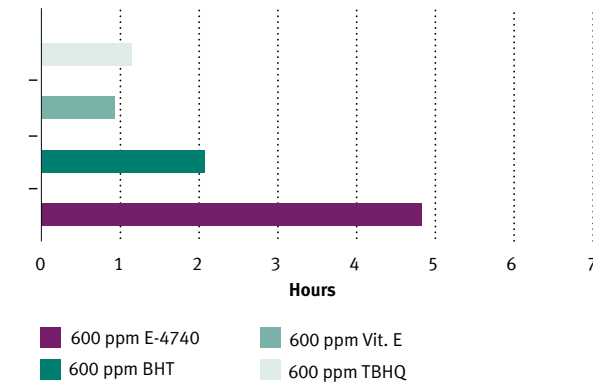


Figure 1. Comparison of the performance of EthanoX 4740 with competitive products in a yellow grease feedstock (Rancimat test)

Albemarle previously introduced ETHANOX 4740, a liquid blend of antioxidants with strong synergies that provides a cost-effective solution for less stable biodiesel. Now, Albemarle has continued its pioneering development of innovative biodiesel stabilizing technologies with the introduction of ETHANOX 4760E. Like ETHANOX 4740, this latest stabilizer has the same easy-to-handle liquid form, but with highly improved cost-efficiency and performance for several feedstocks.

We are confident that we can meet your requirements for high-quality products and services, now and in the future. If you require more information, please contact one of our regional offices.

Americas
 451 Florida Street
 Baton Rouge
 Louisiana 70801-1765
 Tel: +1 225 388 7402
 or +1 800 535 3030
 Fax: +1 225 388 7848

Europe, Middle East, Africa
 Parc Scientifique de LLN
 Rue du Bosquet 9
 B-1348 Louvain-la-Neuve Sud
 Belgium
 Tel: +32 10 48 1711
 Fax: +32 10 48 1717

Asia Pacific
 480 Lorong 6
 Toa Payoh
 #16-01
 HDB Hub
 East Wing
 Singapore 310480
 Tel: +65 6424 8400
 Fax: +65 6424 8401

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