# HOW GOOD IS THE DIESEL IN YOUR STORAGE / FUEL TANK?



Is your boat engine smoking, spluttering, trouble starting or just down on power?

Provide year round protection and performance, whatever the weather, by treating your engine and fuel to a seasonal maintenance program from...









Diesel Additives

Reliability, Protection and Peak Performance for marine diesel engines delivered with...



#### 'New' Red Diesel Can Create Problems

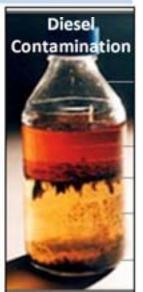
Fuel Property	'Old' Red Diesel	'New' Red Diesel	EN590 Diesel
Sulphur content (ppm)	1,000 max.	20 max.	10 max.
CFPP (°C)	-12W, -4S	-12W, -4S	-15W, -5S
Cetane number	45 min.	45 min	51 min
Particulates (mg/kg)	•	24 max	24 max
Lubricity (microns)	*	460 min.	460 min
FAME (% vol.)	5 max	7 max	7 max

The UK's diesel supply has become highly variable. Some batches of diesel are EN590 Diesel dyed red; others contain high volumes of imported fuel with relatively high cuts of biodiesel (FAME) and a low cetane number. The common distribution networks can now result in inconsistent supply.

Boats are running rough on the batches of diesel at close to 45 cetane number and others are suffering from internal hard lacquers blocking fuel injectors and creating excessive black smoke.



- Water pick-up
- More deposits
- · Bug growth
- Power loss
- · Rough running
- Engine damage
- Winter operation



We are receiving many more enquiries from diesel consumers requesting information and practical advice on how to deal with rough running, haze (water in suspension), layering, filter blocking problems and extreme smoking.

The largest problem by far has been the diesel waxing up during the recently cold weather. There have been several examples of diesel stiffening up at -7°C compared to the -12°C (CFPP) specification.

The UK has **confirmed cases** of "Diesel Bug" in commercial and private pleasurecraft and this spring will highlight the full impact, due to the diesel fuel changes. Prepare and Protect yourself and your boat engine with **OneShot Diesel Additives**.

Prepare yourself for spring www.siriusmarine.co.uk/oneshot



#### What Diesel Boat Owners Should Consider

- Routinely use OneShot Diesel ECO Plus to maintain peak performance while protecting critical components e.g. pumps & injectors, minimizes potential for "Diesel Bug"
- Add OneShot Diesel Power Max directly to the fuel tanks of boats or barges down on power or with excessive smoke / exhaust fumes, to clean engine parts and restore peak performance in one tank fill (e.g. at or prior to a service)
- For those boats or barges that remain idle for several months use OneShot Diesel Storage Pro to ensure the long term storage stability of the diesel in your tank and OneShot Diesel First Start direct to fuel filters to ensure engine starts first time.
- Routinely use OneShot Diesel Bug Biocide additive at a "maintenance" dose to keep your diesel free from bugs or at a "kill" dose to take care of the problem quickly, if a bug infestation does occur
- For boats used during the winter add OneShot Diesel Anti-Wax in advance, as a preventative measure for extra protection in cold temperatures as low as -20°C (these additives do not work if the wax has already dropped out)

### **OneShot Seasonal Maintenance Program**

#### Spring: Summer: Intermittent cruising, every refuel: Regular cruising, every refuel: OneShot Diesel ECO Plus\* OneShot Diesel ECO Plus\* OneShot Diesel Power Max\* OneShot Diesel Power Max\* OneShot Diesel Bug Biocide OneShot Diesel Bug Biocide OneShot Diesel First Start\* Winter: Autumn: Minimal cruising, prepare for winter: Berthed for winter / minimal use: OneShot Diesel Storage Pro (final refuel) OneShot Diesel Anti-Wax\* OneShot Diesel Storage Pro\* OneShot Diesel Bug Biocide OneShot Diesel Power Max OneShot Diesel First Start\* OneShot Diesel Anti-Wax (final refuel)

<sup>\*</sup> Recommended for maximum protection, peak performance and reliability...



<sup>\*</sup>Improve tank housekeeping by regularly checking for the presence of bugs.

<sup>\*\*</sup>When power output drops or difficulty starting / excessive black exhaust smoke occurs, this may be a sign of contamination, treat immediately.

## Diesel Fuel Additive Guide

Product	Benefits	Dose frequency
Oge Shot. Diesel ECO Plus	Delivers optimum torque and power     Enhanced starting/smoother running     Lower fuel consumption     Lower smoke, particulates and NOx emissions     Reduces sludge & inhibits microbial contamination	Every refuel / delivery (bulk or vessel tank) 1 litre treats 2,000L of fuel
Green Diesel Bug Blocide	Kills & prevents "Diesel Bug"     Inhibits sludge & slime build-up     Prevents plugging of filters, injectors and burners     Protects against tank and pipe corrosion	Every refuel / delivery (at maintenance dose) 1 litre treats 50,000 L of fuel
Office Dissoul First Shart	Enhances first time start success     Boosts Cetane number for maximum burn	After winter storage 1 litre treats 500L of fuel
Ciglet Dissel Power Max	Restores torque & power to "as new"  Enhances starting / smoother running  Lower fuel consumption  Reduces smoke and emissions  Cleans engines internal parts	Power loss or at service 1 litre treats 500L of fuel
Cine Dissel Storage Pro	Inhibits deposit & varnish build-up     Disperses sludge / deposits     Improves longer term storage stability     Inhibits microbial contamination	2+ months non-use 1 litre treats 4,000L of fuel
Shot Diesel Anti-Wex	Keeps engine working down to -20°C     Inhibits microbial contamination     Minimizes water uptake	Every refuel / delivery (Nov to end March) 1 litre treats 1,000L of fuel

OneShot Diesel Additives are designed to improve the performance and stability of diesel fuels and to reduce field problems associated with variability in diesel supply. Our OneShot Diesel Additives range are blended from high grade hydrocarbon components and are fully compatible with all grades of diesel. Regular use of the OneShot Diesel Additives will ensure protection and peak performance for your boat engines for years to come.

"Plain Sailing with OneShot, every refuel"
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