

# Gas Oil Fuel Additive Product Guide

| Product                      | Action  | Use   |
|------------------------------|---|---|
| Exocet Gas Oil Extra         | <ul style="list-style-type: none"><li>Prevents water pick-up</li><li>Improves power and smooth running</li><li>Protects fuel pumps and injectors</li><li>Increases cetane number to that required by modern engines</li></ul>   | <b>Every delivery (bulk or vehicle tank)</b><br>1 litre treats 3,000 litres of fuel   |
| Exocet Gas Oil Supreme       | <ul style="list-style-type: none"><li>Keeps engines clean</li><li>Lowers fuel consumption</li><li>Reduces emissions</li><li>Increases cetane number to that required by modern engines</li><li>All the benefits of Gas Oil Extra plus keep clean function via a deposit control</li></ul> | <b>Each delivery</b><br>1 litre treats 2,000 litres of fuel   |
| Exocet Anti-Bug Kill/Protect | <ul style="list-style-type: none"><li>Prevent bugs with Anti-Bug Protect</li><li>Kill bugs within 24 hrs with Anti-Bug Kill</li><li>Avoids blocked filters</li><li>Leaves no residue</li></ul>  | <b>Protect Every delivery</b><br>1 litre treats 20,000 litres of fuel<br><b>Kill as required</b><br>1 litre treats 5,000 litres of fuel |
| Exocet Diesel Power Restorer | <ul style="list-style-type: none"><li>Restores optimum power quickly</li><li>Removes injector deposits</li><li>No vehicle downtime needed</li></ul>   | <b>Power loss or at service</b><br>1 litre treats 500 litres of fuel  |
| Exocet Fuel Store Plus       | <ul style="list-style-type: none"><li>Keeps fuel fresh up to 2 years</li><li>Reduces deposits and varnishes</li><li>Prevents bugs</li><li>Acts as a corrosion inhibitor</li><li>Works with FAME blends</li></ul>  | <b>Every delivery and tank fill of fuel is to be stored for more than 3 months</b><br>1 litre treats 4,000 litres of fuel               |
| Exocet Anti-Wax              | <ul style="list-style-type: none"><li>Keeps engine working down to -20°C</li><li>Changes wax structure</li><li>Inhibits filter blocking</li><li>Allows for winter grade fuel all year round</li></ul>   | <b>Every delivery (Nov to end March)</b><br>1 litre treats 1,000 litres of fuel   |
| Exocet Gas Oil Conditioner   | <ul style="list-style-type: none"><li>Multifunctional product combining Gas Oil Supreme and Fuel Store Plus</li></ul>   | <b>Each delivery</b><br>1 litre treats 2,000 litres of fuel   |

We are ISO 9001 accredited for the formulation, manufacture and distribution of our **Exocet** branded fuel additives for gas oil, heating oil, diesel and petrol.

Our additives are highly concentrated and offer best in class performance. They are used widely as fuel upgrade additives or as problem solvers dealing with field issues associated with base fuel. We can deliver our product in various container sizes ranging from 50ml bottles to 1,000 litre IBCs.

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## Ensuring Fuel Quality and Performance in Off-Road Applications (Red Diesel)



What gas oil users can do .....

## Why Use Fuel Additives?

- Fuel quality is not what it was and is variable – lower grade fuel blends and a rise in imported fuel
- Exhaust emission requirements have significantly changed vehicle design
- Fuel standards are not necessarily compatible with equipment design and need
- Some manufacturers are starting to recommend/require the use of additives
- Fuel additives:
  - solve problems
  - enhance performance
  - contribute positively to sustainability objectives
- EN590 (white diesel) on its own does not meet all the requirements

## What’s Important?

- sulphur content – specified by the fuel standard, controlled by the refinery
- fuel lubricity – critical if premature wear of fuel pumps and fuel injectors is to be avoided
- cetane number – helps produce a more complete fuel burn, enhancing power output, fuel economy and emissions control
- water content – water in engines is not a good idea. Fuel and water should be made to separate and keep separate
- deposit control – solid deposits have a major impact on the performance of modern, tight-tolerance fuel injectors. Removing these deposits and preventing them from forming is critical to keeping engines running at design performance
- biodiesel (FAME) content – often a great unknown but out there in the supply chain and the root cause of myriad problems
- cold flow – operators need to know that fuel will flow properly all year round
- ‘the diesel bug’ – easy tank-to-tank contamination, bugs can quickly become a semi-solid mass blocking fuel lines and filters
- fuel shelf life – fuel can age rapidly, especially if its origin is unknown or it contains FAME. Fuel aging can negatively impact ignition quality and solids build up

## What are We Talking About?

red diesel = tractor diesel = gas oil = BS2869:A2

## What Can Fuel Additives Do?

|   | Gas Oil Extra | Gas Oil Supreme | Diesel Power Restorer | Anti Wax | Anti Bug Kill | Anti Bug Protect | Fuel Store Plus | Gas Oil Conditioner |
|---|---------------|-----------------|-----------------------|----------|---------------|------------------|-----------------|---------------------|
| Removes engine deposits                 |               |                 | ✓                     |          |               |                  |                 |                     |
| Controls engine deposits                |               | ✓               |                       |          |               |                  |                 | ✓                   |
| Increases the cetane number             | ✓             | ✓               |                       |          |               |                  |                 | ✓                   |
| Maintains fuel/water separation         | ✓             | ✓               |                       |          |               |                  |                 | ✓                   |
| Improves fuel lubricity                 | ✓             | ✓               |                       |          |               |                  |                 | ✓                   |
| Kills microbial infestation             |               |                 |                       |          | ✓             |                  |                 |                     |
| Prevents microbial infestation          |               |                 |                       |          |               | ✓                | ✓               | ✓                   |
| Lowers the handling temperature of fuel |               |                 |                       | ✓        |               |                  |                 |                     |
| Increases the fuel shelf life           |               |                 |                       |          |               |                  | ✓               | ✓                   |