

Request for Quotation

Effectiveness testing of a development blend fuel additive in compression ignition diesel engines

Background

Cataclean Global Ltd, founded in 1995, developed a complete fuel and exhaust system cleaner for Internal combustion engines. This has sold for over 25 years both in the UK and around the world. Cataclean's fuel additive has developed a reputation for being an excellent all in one cleaner with multiple attributes all in one.

Requirement

Cataclean are looking to evolve its current chemical blend to a blend with a flash point of over 65 degrees Celsius and performance characteristics equal to or great than the current blend of Cataclean.

As part of this development Cataclean require testing to be carried out to evaluate the performance in the following areas:

1. Cleaning effect on the Valves
2. Cleaning effect on the Pistons
3. Cleaning effect on the Combustion chamber
4. Cleaning effect on the Cylinder head ports
5. Cleaning effect on the Fuel Injectors
6. Cleaning effect on the O2 Sensors
7. Cleaning effect on the Catalytic Converters and/or Particulate Filters
8. Evaluation of the ability to reduce exhaust emissions through an improved combustion process

We require this testing to be carried out on a compression ignition diesel engine.

We require options for 'dirty up / clean up' testing as well as 'keep clean' testing. Please separate these options out on the quote.

Points 1-4 are required to be completed using CEC or equivalent ASTM methods (or similar standards if these are applicable) with point 5 following a standard such as CEC F-98-08 (or similar). If points 6-8 can be added into one of the above tests, then please include in the quotes otherwise please separate these costs out.

Cataclean will supply the required quantity of the fuel additive but expect the successful bidder to provide all other items (such as test fuel) and that any additional costs be separated out from the test costs.

Performance is defined as having an ability to perform at a higher level than the current blend of Cataclean.

Deliverable Timescale

We require this testing to be completed by the details by the 31st March 2023.

Indicative Budget

£46,750.00

Evaluation Criteria

Quotations will be assessed and scored on the following criteria:

Quality/ Technical Merit (50%)

Supplier must demonstrate they have the technical and professional capability to deliver the requirement.

Delivery Timescale (30%)

Supplier must demonstrate they can deliver the requirement to timescales above.

Cost/Value for money (20%)

Does supplier offer value for money. This will not necessarily be the cheapest quote.

Scoring Methodology

4 Excellent	Proposal meets and in some places, exceeds the required standard
3 Good	Proposal meets required standard
2 Acceptable	Proposal meets the required standard in most respects, but is lacking or inconsistent in others
1 Poor	Proposal falls short of expected standard
0 Unacceptable	Completely or significantly fails to meet required standard or does not provide the relevant answer

Proposal Format

Proposals should clearly demonstrate how they meet the requirement set out above although the format of proposal is free.

Deadline and Submission

Proposals are required by 10th February 2023 @ 17:00 either electronically or by post/in person to James Rodgers – james@cataclean.com

Cataclean Global Ltd, Unit 34 Wellington Employment Park, 30-48 Dunes Way, Liverpool, L5 9RJ

Date Published

20 January 2023

Conditions of Tender

- Please be aware that due to the relatively low indicative budget for this work (i.e. less than the current OJEU limits) there is no regulatory obligation for us to provide feedback if you are unsuccessful.
- We reserve the right to discontinue this tender process at any time and not award a contract.
- You will not be entitled to claim from us any costs or expenses which you may incur in preparing and/or submitting your Tender at any stage of this exercise. This applies whether or not your organisation is successful.

This work is part funded though the European Regional Development Fund

