



Dieselcraft is a Magnum Group Company  
PO BOX 7670, Auburn, CA 95604 USA  
Telephone 530-823-7075 Fax 530-823-7078 Email [sales@dieselcraft.com](mailto:sales@dieselcraft.com)  
[www.dieselcraft.com](http://www.dieselcraft.com)

December 2008

### Dieselcraft 5x12 Water Removal Test Results by Herguth Labs, Vallejo, CA

The sample diesel fuel was taken from a standard fuel dispenser at a commercial station.

A 2000 ML sample was drawn and 100 ML of water was added. This mix was shaken vigorously. This has become the "Mixture Base Line". A 100 ML sample was then pulled as the "Lab Base Line" to be sent for testing.

The remaining 1900 ML "Mixture Base Line" was then passed through the Dieselcraft 5x12 Fuel Purifier for a SINGLE PASS. The water was drained off and then a 100 ML sample was drawn off and sent to the lab to become the "Process Sample"

The attached Certificates of Analysis indicate that the Lab Base Line sample had 273,000 PPM water where the Process Sample had 37 PPM, indicating that the Dieselcraft 5x12 Purifier removed 99.9997% water in a single pass.

**Certificate of Analysis**  
**Lab Number 734358**

John Nightingale  
 Dieselcraft Fluid Engineering  
 P.O. Box 7670  
 Auburn CA 95604

12/24/08

Page 1

Client Code : DIESJN      Sample Date : 12/17/08      P.O. Number : 081212  
 Herguth ID : LAB734358  
 Description : Diesel Fuel Sample "Base Line"  
                 Oil Type : Fuel (GN\_003)  
                 Unit Type : Diesel Fuel (GN\_DF001)

Test Performed	Proc-Rev	Result
Water by Karl Fischer ASTM D6304 .....	6304-1.5	273000 ppm

Water level is excessive; check for source. Suggest purifying prior to use. Resample after any maintenance activities to monitor the effect.

Respectfully Submitted,  
 Herguth Laboratories, Inc.



Bobby R Licu, Senior Evaluator

cc: John Nightingale

**Certificate of Analysis**  
**Lab Number 734359**

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Page 1

Client Code : DIESJN      Sample Date : 12/17/08      P.O. Number : 081212  
 Herguth ID : LAB734359  
 Description : Diesel Fuel Sample "Process Sample"  
                   Oil Type : Fuel (GN\_003)  
                   Unit Type : Diesel Fuel (GN\_DF001)

Test Performed	Proc-Rev	Result
Water by Karl Fischer ASTM D6304 .....	6304-1.5	37 ppm

Value is acceptable for test performed.

Respectfully Submitted,  
 Herguth Laboratories, Inc.



Bobby R Licu, Senior Evaluator

cc: John Nightingale

These results are submitted pursuant to our current Terms, Conditions and Limitations and Laboratory Pricing Policy.  
 No responsibility or liability is assumed for the manner in which these results are used or interpreted.