

RESULTADO DE PRUEBAS DE LABORATORIO



Prueba de Lubricidad de Xp3 en Diesel Evaluación de la mejora en lubricidad del combustible diésel de bajo contenido de azufre tratado con Xp3.

Prueba

Se realizó la prueba HFRR - Sistema Vibratorio Electromagnético de Alta Frecuencia (High-Frequency Reciprocating Rig) establecido en el método ASTM D6079.

Laboratorio que condujo la prueba:

FOI Laboratories
901 W. W. Evergreen Blvd Suite 100
Vancouver, WA 98660, USA
www.foilabs.com

Resultados

Descripción	ASTM	Diesel Base	Diesel + Xp3 1:4000 (2)
Destilación - 50%	D86-08a	275.66	273.89 °C
API Gravedad por Hidrómetro	D1298-99	39	39
Índice de Cetano	D976-01	55.853	55.53
Lubricidad, HFRR @ 60°C	D6079	360 (1)	300 (1) micrón

Notas

(1) El resultado muestra la cicatriz o rasgado (en micrones) que se produce cuando usa el combustible. Un número menor (en este caso 300) refleja un mejor índice de lubricidad.

(2) El aditivo Xp3 se adiciono al combustible base en una porción de 1 parte de Xp3 por 4000 partes de combustible diésel (ULSD).

Anexos

Reporte de laboratorio 42002035 (Combustible diesel sin aditivo)
Reporte de laboratorio 42002036 (Combustible diesel con Xp3)

Fecha de la prueba

Mayo 4, 2015

Xp Lab, Inc.

12527 Kirkham Ct. Poway, CA 92064
Tel. (619) 233-3111 Fax: (619)233-3112
Xp3@xplab.com <http://www.xp3.com>

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Superior Quality, Superior Service and ONLY Fuels!

Certificate of Analysis

Laboratory Number: 42015035

WITHIN LIMITS

Mauricio Deicas
XP Lab, Inc.
946 W. Hawthorn Street
San Diego, CA San Diego US
(619) 233-3111
Sample Taken From:
Sample ID:
PO:
WO:

No Additive
CCOF

Sample Collection Date:
Date Received: 04/20/2015
Date Released: 05/04/2015
Component Make:
Component Model:
Tank Capacity:
Quantity in Tank:
Test Package:
Type of Fuel: Diesel
Serial Number:

Test	Limits	Methods	Sample Result
Distillation - 50%	report °C	ASTM D86-08a	275.56 °C
API Gravity by Hydrometer	report	ASTM D1298-99	39
Cetane Index	40 minimum	ASTM D976-01	55.853
Lubricity, HFRR @ 60°C	520 um maximum (micron)	ASTM D6079	360

Note:
Diesel #2 fuel has a 520 um maximum (micron) for Lubricity and
Cetane Index has a 40 minimum.

These results are submitted pursuant to our terms, conditions and limitations and laboratory pricing policy.
No responsibility is assumed for the manner in which these results are used or interpreted.
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Certificate of Analysis

Laboratory Number: 42015036

WITHIN LIMITS

Mauricio Deicas
XP Lab, Inc.
946 W. Hawthorn Street
San Diego, CA San Diego US
(619) 233-3111
Sample Taken From:
Sample ID:
PO:
WO:

1pp 4000
CCOF

Sample Collection Date:
Date Received: 04/20/2015
Date Released: 05/04/2015
Component Make:
Component Model:
Tank Capacity:
Quantity in Tank:
Test Package:
Type of Fuel: Diesel XP3-L
Serial Number:

Test	Limits	Methods	Sample Result
Distillation - 50%	report °C	ASTM D86-08a	273.89 °C
API Gravity by Hydrometer	report	ASTM D1298-99	39
Lubricity, HFRR @ 60°C	report in (micron)	ASTM D6079	300
Cetane Index	report	ASTM D978-01	55.53

Note:
Diesel #2 fuel has a 520 um maximum (micron) for Lubricity and
Cetane Index has a 40 minimum.

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