

**TEST REPORT N° 1390H/14**

ITS REF.: **PER/3151 H-14**

CLIENT : GRUPO CINQUE TERRE  
 SAMPLE DESCRIPTION <sup>(1)</sup> : ULSD  
 SAMPLE INFORMATION  
 IDENTIFICATION : 2,4,5 P/S  
 QUANTITY : One (1 x 1 gallon) sample  
 PRESENTATION : Plastic gallon  
 PROCEDURE : Vessel MT ATLANTIC GRACE  
 SAMPLING INFORMATION <sup>(2)</sup>  
 SAMPLING DATE : June 23rd., 2014  
 SAMPLING METHOD : ASTM D 4057  
 SEAL N° : 2E+05  
 DATE OF RECEPTION IN LAB : June 23rd., 2014  
 ANALYSES DATE : June 23rd., 2014  
 LAB. REFERENCE : 3701H  
 CLIENT REFERENCE : N.A.

METHODS / VERSION	TESTS	UNITS	RESULTS
ASTM D 1298 / 12b	Density, Relative Density, or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method API Gravity	° API	39,7
ASTM D 4176 / 04 (09)	Free Water and Particulate Contamination in Distillate Fuels (Visual Inspection Procedures) (*) Procedure used (*) Place of the test (*) Test temperature (*) Clear & Bright (*) Free water (*) Particulates (*)	Not Applicable Not Applicable °F Not Applicable Not Applicable Not Applicable	1 <sup>(*)</sup> Laboratory <sup>(*)</sup> 73,5 <sup>(*)</sup> pass <sup>(*)</sup> pass <sup>(*)</sup> pass <sup>(*)</sup>
ASTM D 93 / 13e1	Flash Point by Pensky-Martens Closed Cup Tester Corrected Flash Point, Procedure A	°C	64,0
ASTM D 1500 / 12	ASTM Color of Petroleum Products (ASTM Color Scale) (*) ASTM Color (*)	Not Applicable	L 0,5 <sup>(*)</sup>
ASTM D 976 / 06 (11)	Calculated Cetane Index of Distillate Fuels Calculated cetane index	Not Applicable	51,4
ASTM D 86 / 12	Distillation of Petroleum Products at Atmospheric Pressure Barometric Pressure IBP Recovery 5% Recovery 10% Recovery 20% Recovery 50% Recovery 90% Recovery 95% Recovery FBP Recovery % Recovery % Residue % Loss	mm Hg °C °C °C °C °C °C °C °C °C % Vol % Vol % Vol	757 176,0 191,5 198,0 211,0 250,0 325,0 344,5 355,5 98,0 1,5 0,5
ASTM D 2622 / 10	Sulfur in Petroleum Products (*) (a)	mg/ Kg	4,4 <sup>(*) (a)</sup>

(1) As designated by the Customer

(2) Information submitted by Hydrocarbons Operations

(a) Outsourced

(\*) These methods are not accredited by INDECOPI-SNA

**Remarks:**

1. This test report may not be reproduced in whole or in part without the written permission of INTERTEK TESTING SERVICES PERÚ S.A.

2. Results of the test issued in this report are only valid for sample indicated, this test not be used as certificate of compliance or as a certificate of quality system of the company issuing them.

Lima, June 23rd., 2014

Eng. SILVIA CRESPIN ABANTO  
 AUTHORIZED SIGNATURE

Hydrocarbons Laboratory Supervisor  
 C.I.P. 101996