AD Systems

Informations générales

SIRET

50534694000032

Responsable(s)

Didier Pigeon - Président
Martial Lépinay - Directeur Technique

Adresse

P.A. Portes de la Suisse Normande, Allée de Cindais

14320

Saint Andre sur Orne

France

Tél

0199999999

Fax

0981388139

http://www.adsystems-sa.com

info@adsystems-sa.com

Présentation

Activité détaillée

Analysis and Diagnosis Systems

AD Systems specializes in the design, manufacturing, selling and servicing of unique test equipment for the evaluation of physical properties and performances of fuels and lubricants.

All of the products offered by AD systems were developed in response to specific needs within the petroleum industry.

AD Systems has in the past and is currently working with governmental agencies and research departments of petroleum companies to develop prototypes and subsequently to manufacture various instruments and systems. Our customers include oil refineries, commercial laboratories, fuel distributors, terminals, blenders, lubricant plants, OCM labs, research labs, marine, aviation companies and military.

AD Systems cumulates 60 years of experience in designing test equipment for petroleum industry. Our commitment is to deliver prompt, friendly and attentive customer service and technical support.

AD Systems is an active member of the American Society for Test and Materials (ASTM®) as well as with Energy Institute, GFC and BNPé.

SOME OF OUR PRODUCTS

Jet Fuel Thermal Oxidation Deposit Rater - DR 10 (ASTM D3241, IP 597)

The DR 10 accurately determines the thickness of the deposit, reducing test subjectivity.

The DR10 test report provides a 3-D profile of the deposit distribution on the tube surface. The software automatically detects and reports the Standard Spot value which is the mean deposit thickness of the thickest 2.5 mm2 area as defined in ASTM D3241. The average and the maximum thickness deposit values, as well as the calculated total deposit volume are reported.

Automated Smoke Point – SP 10 (ASTM D1322, IP 598)

This unique automated instrument uses a patented system (License TOTAL RM) based on a video camera that measures the flame. The flame image is digitalized. The dedicated software determines the height of the flame when its shape corresponds to the one described in the test method. The SP10 is an Automated Smoke Point instrument that strictly follows the test method while both eliminating the subjectivity inherent to the manual test and significantly improving repeatability and reproducibility. Additionally, the SP10 eliminates all safety risks linked to the visual observation of an open flame. The test can now be run unattended which drastically reduces labor costs.

NACE Spindle Corrosion Test – CT 10 (NACE TM0172)

The innovative CT10 instrument images the whole surface of the specimen. Operation is based on a homogeneous lighting source, CCD camera, specimen rotation system, and specially designed Windows CE® application software. The specimen is rotated and several images are taken. The software builds a flat image of the specimen surface, calculates the percentage of the corroded area and then translates it into a NACE rating. A detailed test report is ready in less than 5 minutes. The test can now be run unattended which reduces labor costs.

AD SYSTEMS IN A FEW DATES

2008 – Creation of AD Systems

2009 – Launching of the DT 100 - Dispersancy Tester for in service lubricant

2010 – Launching of the DR 10 – JFTOT® Deposit Rater, launching of the AutoREID - Vapor Pressure for crude oil

2011 – Launching of the SP 10, approval of the DR 10 by Energy Institute

2012 – Approval of the SP 10 by Energy Institute and ASTM

2013 – AD Systems moves in a new 600 sq. meter facility, launching of the CT 10 – NACE Spindle Corrosion Test

SOME OF CUSTOMERS

ExxonMobil, BP, Shell, Chevron, Total, Petrobras, PDVSA, Intertek, SGS, US Army, Saudi Aramco, UOP, SWRI, Neste Oil, Etc.

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For more information, visit AD Systems website at www.adsystems-sa.com