

New Generation Porla analyser

Fully automatic measurement and
prediluted sample dilution



Why Porla Heavy and Crude Oil Stability and Compatibility Analyser

- 1) Widest applicability, biggest benefits and increases in profitability
- 2) Unique asphaltene selective and high sensitivity detector
- 3) For heavy and crude oil blending and cracking unit optimisation
- 4) Unique feature in analysing low asphaltene and asphaltene free oils
- 5) Fully automatic prediluted sample dilution, analysis and cleaning procedure
- 6) Smooth start by application build-up service upon commissioning
- 7) Free-of-charge tricky sample analysis service for Porla users

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Finnish Measurement Systems Ltd is the leading supplier of automatic heavy oil and crude oil stability and compatibility analysers. Our main product is New Generation Porla Analyser, which is used for blending optimisation in crudes, feed stocks, heavy oils and bitumen as well as the maximisation of oil refining process profitability.

The unique design and excellent performance of the New Generation Porla gives the highest added value and an increase in profitability for oil companies. Our products are well known throughout the world for increasing profitability in the oil refining industry, oil production and oil research institutes.



The basis of the Porla analyser technology was originally developed more than 30 years ago within Neste Oil Ltd, the Finnish oil company. In 1996, this technology was utilised by Finnish Measurement Systems Ltd and FMS has commercialised Porla technology since then, developing it further and also creating new applications in close co-operation with prominent global partners and customers.

The Porla method has been an ASTM standard method D 7112 since 2005. In 2013-2014, FMS developed the New Generation Porla analyser, during which we took into account the comments, wishes and ideas of Porla end-users.

The New Generation Porla analyser is now commercially available, and the first units were in use at end-user laboratories in 2014 with good experiences being reported. We are especially proud and confident on the performance, wide area of applicability and user-friendliness of the New Generation Porla Analyser.

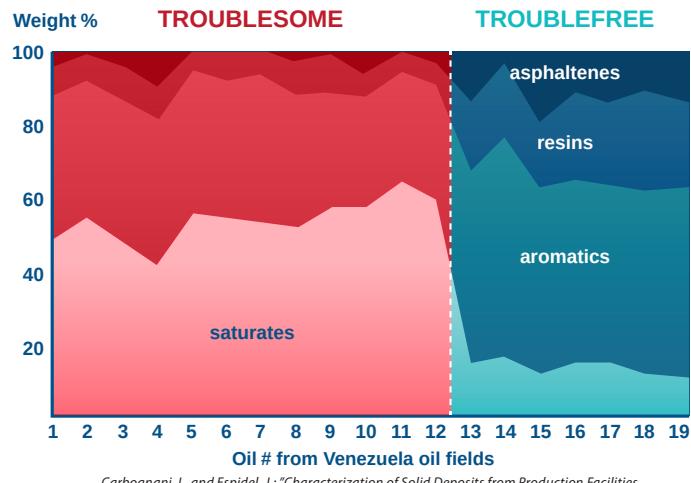
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High asphaltene content is not necessary to associate with high risk of trouble



Carbognani, L. and Espidel, J.; "Characterization of Solid Deposits from Production Facilities. Identification of Possible Causes of Deposits Formation," *Vision Technologica*, Vol. 3, No. 1, 35-42.

Unique feature in analysing low asphaltene and asphaltene free oils

