

NOISE™

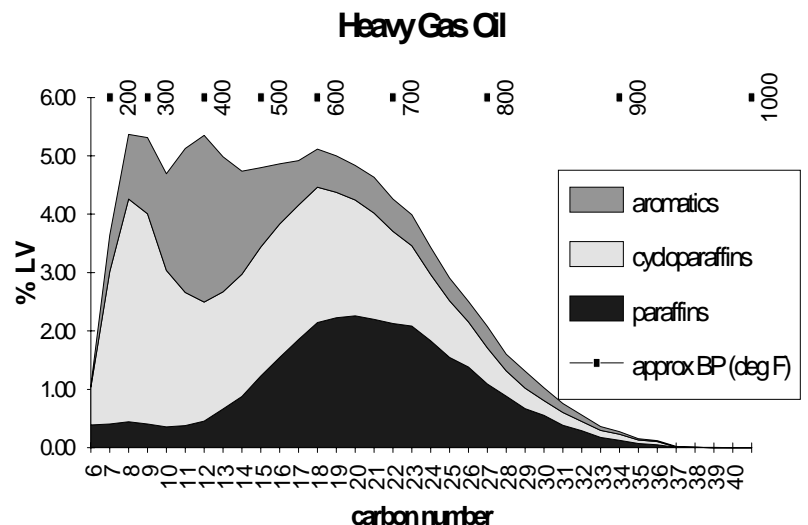
Hydrocarbon typing by NOISE can help you

- optimize hydrotreaters
- direct incoming streams
- make most of new crudes
- evaluate unit performance
- schedule maintenance
- evaluate normal and iso paraffins
- optimize catalysts
- determine severity
- evaluate sulfur and nitrogen rings
- fingerprint
- evaluate polynuclear aromatics
- identify oil spills

Samples suitable for typing include

- low olefinic hydrocarbons and crude oils boiling between 250 and 1000F or C₆ to C₄₀
- light bunker
- heavy gas oils
- diesels
- naphthas

Hydrocarbon typing by Triton's exclusive gas chromatography—mass spectrometric technique gives carbon number and Z-number, identifying liquid volume percentage of normal and iso paraffins, cycloparaffins, di-, tri-cycloparaffins, mono-, di-, tri-, tetra-aromatics, benzothiophenes, and dibenzothiophenes.



Percent liquid volume of hydrocarbon types by carbon number for a gas oil