


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p>0009</p> <p>Accredited to ISO/IEC 17025: 2005</p>	<p>TUV SUD Ltd Trading as NEL</p> <p>Issue No: 030 Issue date: 25 August 2017</p>	
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<p>Calibration performed at the above address only</p>		

DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k=2$)	Remarks
DENSITY			
Hydrocarbon	750 kg/m ³ to 890 kg/m ³	0.015 %	Density of oil flowing through test device at viscosities of 1.2 cSt to 30 cSt
	750 kg/m ³ to 890 kg/m ³	0.20 %	Density of oil flowing through test device at viscosities of 30 cSt to 500 cSt
Water	1000 kg/ m ³	0.030 %	Density of water flowing through test device
FLUID FLOW			
Hydrocarbons Quantity (mass or volume)	0.002 l/min to 0.04 l/s 0.04 l/s to 100 l/s 100 l/s to 200 l/s	0.050 % 0.030 % 0.080 %	
Hydrocarbons Flowrate (mass or volume)	0.002 l/min to 100 l/s 100 l/s to 200 l/s	0.050 % 0.080 %	Conditions: Kerosine and gas oil substitutes and mineral oils viscosities between 1.2 cSt & 30 cSt Temperatures 5 °C to 50 °C Pressures 0 bar(g) to 8 bar(g)
Hydrocarbons Quantity and Flowrate (mass)	0.04 l/s to 100 l/s 100 l/s to 150 l/s	0.050 % 0.25 %	Conditions: oil viscosities between 30 cSt and 500 cSt Temperatures 5 °C to 50 °C Pressures 0 bar(g) to 8 bar(g)
Hydrocarbons Quantity and Flowrate (volume)	0.04 l/s to 150 l/s	0.25 %	Conditions: oil viscosities between 30 cSt and 500 cSt Temperatures 5 °C to 50 °C Pressures 0 bar(g) to 8 bar(g)
Hydrocarbons Quantity (mass or volume)	0.5 l/s to 100 l/s	0.080 %	Conditions: Mineral oil, viscosities between 1.5 cP and 10 cP Temperatures 20 °C to 80 °C Pressures 4 bar(g) to 93 bar(g)



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FLOW (continued) Water Quantity and Flowrate (Mass and volume)	0.002 l/min to 3.3 l/min 0.1 l/s to 200 l/s 0.1 l/s to 400 l/s	0.050 % 0.10 % 0.15 %	Gravimetric diverter standards 0 bar(g) to 10 bar(g) 15°C to 35°C Reference meter standards 0 bar(g) to 10 bar(g) up to 200 l/s 0 bar(g) to 5 bar(g) 200 l/s to 400 l/s 15°C to 35°C
GAS FLOW Gas Quantity (Mass and flow rate)	20 m ³ /h to 1600 m ³ /h	0.35 %	High Pressure wet gas loop – dry, 10 bar(g) to 63 bar(g)
END			