



Quality, service, and customer satisfaction is our driving force.



## AFRIQ UNINHIBITED TRANSFORMER OIL

### High performance insulating oil

Specially formulated for the South African market, this product is an uninhibited high-grade oil. Conforming to both NRS 079-1:2004 and IEC 60296: 2003 and developed to deliver strong resistance to oil degradation, this transformer oil provides excellent oxidation stability for a longer transformer life with minimum maintenance.

### Designed for heavy duty

This product has been specially developed for use in oil-filled electrical equipment – including power and distribution transformers, rectifiers, circuit breakers and switchgears.

### Performance and benefits

- Very good heat transfer.
- Thanks to low viscosity and viscosity index, this high grade offers extremely good heat transfer characteristics, ensuring heat is efficiently removed from core and windings.
- Excellent oxidation stability.
- Developed and formulated to deliver superb resistance to oil degradation, this grade provides excellent oxidation stability for enhanced transformer life and minimum maintenance.
- Very good low temperature properties.
- Naphthenic characteristics allow the transformer to start at the lowest possible temperature – without using pour point depressants.
- High dielectric strength.
- This insulating oil both meets and exceeds the toughest demands on dielectric strength – when stored and handled correctly.

### Product description

Nyro Libra SA fulfils the requirements for NRS 079-1:2004 uninhibited oil. Nynas classify this product as a high grade.

Nyro Libra SA is rigorously analysed and passes the following corrosion tests:

- ASTM D1275 method B
- IEC 62535
- DIN 51353

PCB: Not detectable according to IEC 61619:1997

DBDS: Not detectable according to method using GC-AED.



### TYPICAL PHYSICAL CHARACTERISTICS

Property	Unit	Test Method	Guaranteed Data Min	Guaranteed Data Max	Typical Data
Appearance		IEC 60296	Clear, free from sediment	Clear, free from sediment	complies
Density, 20°C	kg/dm <sup>3</sup>	ISO 12185		0.895	0.880
Viscosity, 40°C	mm <sup>2</sup> /s	ISO 3104		11.0	8.6
Colour		ASTM D 1500		0.5	<0.5
Aniline point	°C	ASTM D 611	63	84	76
Pour Point	°C	ISO 3016		-20	-57
Number of particles per 100 ml	µm	IEC 60970			