

**ELPRIMO NAPHTHENIC TRANSFORMER OIL (INHIBITED)****SPECIFICATIONS AND APPROVALS:**

- It meets the Naphthenic inhibited transformer oil specification IEC 60296

CHARACTERISTICS	TEST METHOD	SPECIFICATION
Color	ASTM D 1500	-
Kinematic Viscosity @40°C mm ² /sec @ (-) 30°C mm ² /sec	ISO 3104 ISO 3104	Max.12 Max.1800
Pour Point -c	ISO 3016	Max.1800
Water Content (PPM)	IEC 60814	Max. 30 mg/kg for bulk supply Max. 40 mg/kg for supply in Drum
Breakdown Voltage	IEC 60156	Min. 30 kV as delivered Min. 70 kV after lab treatment
Density @20°C KG/dm ³	ISO 3675 OR ISO 12185	TBR
Density @29.5°C KG/dm ³	ISO 3675 OR ISO 12185	-
Dielectric Dissipation Factor @90°C & 40 to 60 Hz	IEC 60247 OR IEC 61620	Max. 0.005
Particle Content 2-Refining/ Stability:	ISO 60970	No General Requirement
Appearance	VISUAL	Clear, free from sediment & suspended matter
Acidity	IEC 62021-1 OR IEC62021-2	Max. 0.01 mg KOH/gm
Inter Facial Tension MN/m	EN 14210 OR ASTM D971	Min.40
Total Sulphur Content	IP 373 OR ISO 14 596	No General Requirement
Corrosive Sulphur	DIN 51353	Non Corrosive
Potentially Corrosive Sulphur	IEC 62535	Non Corrosive
DBDS (Dibenzylsulphide) mg/kg	IEC 62697	Not Detectable(<5mg/kg)
Inhibitors of IEC 60666	IEC 60666	Inhibited Oil; (0.08% to 0.4%)
Metal Passivator Additives mg/kg	IEC 60666	Not Detectable
Other Additives	-	-
2 Furfural Content mg/kg/gm	ISO 3104 ISO 3104	Not Detectable
Stray Gassing	ISO 3016	No General Requirement



INDUSTRIAL TRANSFORMER OIL

BRAVOIL™

Technical Data Sheet

CHARACTERISTICS	TEST METHOD	SPECIFICATION
Oxidation Stability @120°C, 500 Hrs A) Total Acidity mg KOH /gm B) Sludge% C) DDF @90°C	IEC-61125:1992 (METHOD C) TEST DURATION; INHIBITED OIL: 500 Hrs 1.9.4 of IEC 61125:1992 1.9.1 of IEC 61125:1992 1.9.6 Of IEC 61125:1992 Amendment 1(2004) +IEC 6024 7	Max. 1.2 Max. 0.8 Max. 0.5
Gassing Tendency	IEC60628 :198 5, METHOD A	No General Requirement
ECT	ISO 3675 OR ISO 12185	No General Requirement
Flash Point	150 2719	Min.135°C
PCA Content %	BS-2000 PART 34 6	Max. 3.0%
PCB Content mg/kg/gm	IEC 61619	Not Detectable
Carbon Type Analysis CA% CP% CN%	FTIR	4.0 to 12.0 Max. 50.0 Min. 42.0

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further information on Safety Guidelines please refer to MSDS available on our website www.bravoil.ae

HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet www.bravoil.ae

PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.