



gandharoil

REFINERY (I) LTD

(An ISO 9001:2000 Certified)

DIVYOLTRANSFORMER OIL IEC 296 CLASS I

No	Characteristics	Test Method	Gandhar's Results
1.	APPEARANCE	TO BE EXAMINED IN TRANSMITTED LIGHT UNDER A THICKNESS OF 10 CM AT AMBIENT TEMPRATURE	CLEAR OIL
2.	DENSITY @20°CKG/dm3	ISO 3675	0.89 MAX
3.	KINEMATIC VISCOSITY @40°C mm2/sec @20°C mm2/sec @ -15°C mm2/sec	ISO 3104	16.5 MAX 40 MAX 800 MAX
4.	POUR POINT°C	ISO 3016	-30
5.	INTER FACIAL TENSION @25°C N/m	ISO 6275	0.04 MIN
6.	FLASH POINT PMCC °C	ISO 2719	140 MIN
7.	NEUTRALIZATION VALUE MG koh/gm	7.7 of IEC 296	0.03 MAX
8.	WATER CONTENT (PPM) DRUM IN BULK	IEC 733	35 MAX 40 MAX
9.	B.D.V (KV) AS DELLIVERED AFTER TREATMENT	IEC 156	30 MIN 55 MIN
10.	DIELECTRIC DISSIPATION FACTOR (TAN DELTA) @90°C &40°C TO 60 HZ	IEC-247	0.005
11.	CORROSIVE SULPHUR	ISO 5662	NON COROSSIVE
12.	OXIDATION STABILITY @100°C, 164 HRS NEUTRALIZATION VALUE mg KOH/gm Sludge %	IEC-74	0.4 0.1
13	ANTI OXIDANT ADDITIVES%	IEC 666	ABSENT

Corp Off: 1001, 10th Floor, Unique Towers,
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REFINERY (I) LTD

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DIVYOLTRANSFORMER OIL IEC 296 CLASS II

No	Characteristics	Test Method	Gandhar's Results
1.	APPEARANCE	TO BE EXAMINED IN TRANSMITTED LIGHT UNDER A THICKNESS OF 10 CM AT AMBIENT TEMPRATURE	CLEAR OIL
2.	DENSITY @20°CKG/dm3	ISO 3675	0.89 MAX
3.	KINEMATIC VISCOSITY @40°C mm2/sec @20°C mm2/sec @ -30°C mm2/sec	ISO 3104	11 MAX 25 MAX 1800 MAX
4.	POUR POINT°C	ISO 3016	-45 MAX
5.	INTER FACIAL TENSION @25°C N/m	ISO 6275	0.04 MIN
6.	FLASH POINT PMCC °C	ISO 2719	130 MIN
7.	NEUTRALIZATION VALUE MG koh/gm	7.7 of IEC 296	0.03 MAX
8.	WATER CONTENT (PPM) DRUM IN BULK	IEC 733	30 MAX 40 MAX
9.	B.D.V (KV) AS DELLIVERED AFTER TREATMENT	IEC 156	30 MIN 50 MIN
10.	DIELECTRIC DISSIPATION FACTOR (TAN DELTA) @90°C &40°C TO 60 HZ	IEC-247	0.005
11.	CORROSIVE SULPHUR a) COPPER STRIP, 140°C, 19 HRS b) COPPER STRIP, 150°C, 48 HRS	ISO 5662 ASTM D 1275 B	NON COROSSIVE NON COROSSIVE
12.	OXIDATION STABILITY @100°C, 164 HRS NEUTRALIZATION VALUE mg KOH/gm Sludge %	IEC-74	0.4 0.1
13	ANTI OXIDANT ADDITIVES%	IEC 666	ABSENT

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