

FORMAT NO.- MPS/F&F-5C

## TEST REPORT

MEGHA POWER SOLUTIONS

{ Testing & Diagnostic Solutions }

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Issued to :- **RELIANCE INDUSTRIES LIMITED** Test Certificate No./ ULR No. :- **TC538819000000130F**  
**Dahej Manufacturing Division** Test Report Date :- **30/1/2019**  
**Dahej, Bharuch, Gujarat** Testing Date:- **18/1/2019**

Sample Particular	Bottle No.	M-60	Sampling Method (IS 6855)							
Collected on:-	8/1/2019	By :-	MPS	Position:-	Bottom	Last Maint. Date	-	Ambient Temp. (°C):	SUNNY	
Eqmt. Detail	Plant	POFL	Sr.No.	Rating	Ratio (KV)	WTI (°C)	OTI (°C)	Make	Mfr Year	Last Maint. Date
1000535992	IOP S/W	GNU-IOP-SUB-SWY-TR001	6800000133	45/60/75 MVA	220/34.5 KV	-	-	NGEF	1995	-

### TEST DATA

(IS 1866-2000 Addition 4.1, 2006-08)

Oil Test			
Test Parameter	Test Method	Limits	Test Value
Appereance	IS 335	Clear	Yellowish brown Color
Density at 29.5 °C	IS 1448(P-16)	Max 0.890 g/cm <sup>3</sup>	0.86
Breakdown Voltage (BDV) a) Type of Electrodes: Spherical b) Frequency of th Test Voltage: 50 Hz c) Oil Temperature: 27.0 °C d) Test Value is the Avg of 6 Reading	IS 6792	Min 50 KV	60
Water Content	IS 13567	Max 20 ppm	17
Neutralisation Value (Total Acidity)	IS 1448(P-2)	Max 0.3 mg KOH/g	NA
Specific Resistivity ( * 10 <sup>12</sup> ) # Frequency of Test Voltage: 50 hz # Room Temperature: °C # Humidity During Test : % # Three terminal oil cell used # Avg Voltage Gradient in Sample under Test, in V/mm : 500 volt	@27°C	Min 1* 10 <sup>12</sup> ohm-cm	NA
	@90°C	Min 0.1* 10 <sup>12</sup> ohm-cm	NA
Dielectric Disipation Factor # Frequency of Test Voltage: 50 hz # Room Temperature: °C # Humidity During Test : % # Three terminal oil cell used # Avg Voltage Gradient in Sample under Test, in V/mm : 500 volt	@27°C	IS 6262	NA
	@90°C	Max 1.0	NA
Interfacial Tension at 27 °C	IS 6104	Min 15 mN/m	NA
Flash Point	IS 1448(P-21)	Min 125 °C	NA
Sediment & Sludge %	IS 1866 (AP-A)	Min 0.02 % by mass	NA

**Remark:** As per tested Parameter oil is fit for use

Humidity :- 42 %

Temperature :- 27.6 °C

**Observation :** As per tested Parameter oil is fit for use

Note: 1. Test Result indicates only Tested Sample and Parameter.

2. Liability of Laboratory is limited to tested parameter.

3. Certificate cannot used as Evidence in Court of Law without Prior consent of the laboratory

*Signature*

Mayuresh Sawant(TM)  
Authorised Signatory

For Megha Power solutions

