[illegible] TESTER
PRC 26563-408

DA-441-238

DIELECTRIC STRENGTH

D 48/50 IN 11:00 6/3/70
READY TO TEST 11:00 AM 6/5/70

Mil-M-14F (4.5.2.1)

Method

Tested By William L. Pinali	Date 6/5/70	Temp. 50°C	Tested in OIL
Checked By [illegible]	Date 6/5/70	Conditioning E 48/50 + D 48/50	

Sample Identification	Type of Test	Diameter of Electrodes ____ inches	Breakdown Voltage,	Corrected Breakdown Voltage, V	Thickness, Mils T	Volts/Mil V_0	Thickness Correction Factor F	Volts/Mil Corrected for ____ in., V_1	Remarks
BMMS 7026	S/S	1" B1	7,000	8,000	130	62			STARTED AT
BLK 25		B2	7,000	8,000	129	62			8000 VOLTS.
BATCH #1		B3	9,000	10,000	128	78			INCREASED IN
		B4	11,000	12,000	128	94			1000 VOLT
		B5	10,000	11,000	129	85			STEPS EACH
					AVG	76			MINUTE TO
									BREAKDOWN
		8000/130 =	62	8000/129 =	62	10,000/128 =	78		
		12,000/128 =	94	11,000/129 =	85				

Testing witnessed 5 June 1970
William Wills DCHODS Element [illegible]

$V_0 = \frac{V}{T}$ $V_1 = V_0 \times F$

UCASB00934970