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SAN DIEGO TESTING LABORATORIES, INC.
MATERIALS ENGINEERING

FORM NO. 10-1-57

PRINCIPAL MEMBERS OF
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CORROSION AND METALLURGY

LABORATORY NUMBER SD13-2084M

DATE June 18, 1958

Allied Industries
4246 Pepper Drive
San Diego 5, California

P.O. Verbal: John Crane 6-9-58
1-Sample Rec'd: 6-9-58
1-Sample Rec'd: 6-13-58

REPORT OF PERFORMANCE TESTS ON
AZ-58 FREQUENCY INSTRUMENT

SAMPLE 516M1: Serial No.1, AZ-58 "Allied Frequency Instrument" with High Voltage Leads:

DETERMINATIONS:

SAMPLE 516M1:

Frequency:

Using Hewlett-Packard Counter Model 521A:

Band Setting #1: 66 to 237 Cycles Per Second
Band Setting #2: to 1176 " " "
Band Setting #3: to 5664 " " "

D WIRE ARC RESISTANCE TESTS:

Black, Elastomer Covered Lead: 15,000 Volts (rms) Breakdown Limit @ 60cps.
Red, Elastomer Covered Lead: 15,000 " " " " @ 60cps.

SAMPLE 516M2: Serial No.2, AZ-58 "Allied Frequency Instrument" with same High Voltage Leads as Serial No.1 above:

Output Power Tests:

VOLTS AT TERMINALS: INST. CURRENT: WATTS:

Test 1: 8250 V (rms) 56 MA 463
Test 2: 8050 V " 58 MA 467
Test 3: 8175 V " 57 MA 465

The undersigned TESTING LABORATORY certifies that the above determinations were made on the samples submitted in accordance with instructions of John Crane.

Respectfully submitted,
SAN DIEGO TESTING LABORATORIES, INC.,
By M. P. Christensen
M.P. Christensen - R.E. #2452

- (3) Allied Industries
- (1) Transparency

FACTOR OF SAFETY
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