

Oscillogram No.: HPL3-34438 OCV = 460 V  
Date of Test: 9/30/2020 Time of Test: 12:13:41 PM



High Power Laboratory, HPL3 Facility  
Cedar Rapids, Iowa, USA

AVAILABLE CIRCUIT CHARACTERISTICS:  
Osc. No: 23776 Calibration Date: 09/6/19  
OCV = 485 V Rms Sym Current = 25.33 kA  
Power Factor = 16%

Project No.: 6000001332 TestFlow No.: UTK  
Test Device: ARC FLASH  
Sample No.: 96

### ANALYSIS RESULTS TABLE

|                    |                              |
|--------------------|------------------------------|
| Closing Angle      | 154 Deg                      |
| Closing time (V0)+ | 23.81 $\mu$ Sec              |
| Peak Current (Ip)  | -38.30 k Amperes             |
| Time to Ip         | 4.430 m Sec.                 |
| I <sup>2</sup> t   | 28.41 M Amp <sup>2</sup> sec |
| I Duration         | 307.8 m Sec.                 |

### Performance Observations

|                                         |    |
|-----------------------------------------|----|
| Was the Breaker Tripped after the test? | NA |
| Could the Breaker be Reset?             | NA |
| Did it have continuity in all poles?    | NA |
| Was the Enclosure Fuse Opened?          | NA |

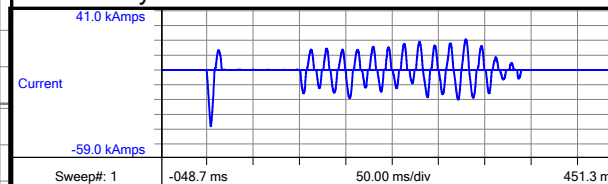
### Comment Section

20.66 kA

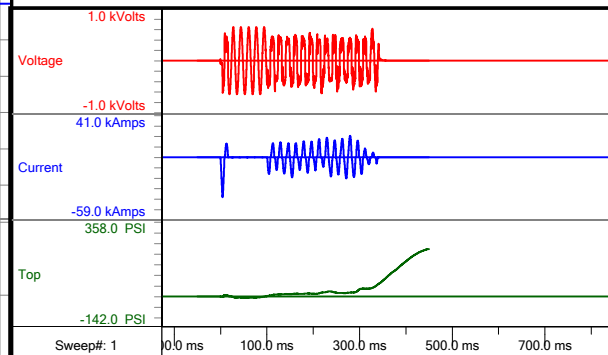
18 in.

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### Analysis results are based on this data



### TOTAL VIEW



### INSTRUMENTATION DATA

Data Recording System: HBM GEN3T C/N 063-173

VOLTAGE: 100X Scope Probe, C/N 131-555, 1%

PLOT FILE HPL3\_CR\_1\_M

VOLTAGE: 100X Scope Probe, C/N 131-604, 1%

CURRENT: ROGOWSKI COIL, C/N 045-445

NOTE: Channel offset removed for analysis.  
but not for display.

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