

Oscillogram No.: HPL3-34389 OCV = 503 V  
Date of Test: 9/29/2020 Time of Test: 12:29:06 PM



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

AVAILABLE CIRCUIT CHARACTERISTICS:  
Osc. No: 27476 Calibration Date: 03/25/20  
OCV = 500 V Rms Sym Current = 10.53 kA  
Power Factor = 41%

Project No.: 6000001332 TestFlow No.: UTK  
Test Device: ARC FLASH  
Sample No.: 53

### ANALYSIS RESULTS TABLE

|                    |                              |
|--------------------|------------------------------|
| Closing Angle      | 101 Deg                      |
| Closing time (V0)+ | 303.6 $\mu$ Sec              |
| Peak Current (Ip)  | 19.09 k Amperes              |
| Time to Ip         | 6.370 m Sec.                 |
| I <sup>2</sup> t   | 5.965 M Amp <sup>2</sup> sec |
| I Duration         | 174.5 m Sec.                 |

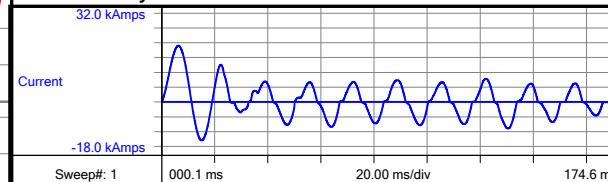
### Performance Observations

|                                         |    |
|-----------------------------------------|----|
| 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 |

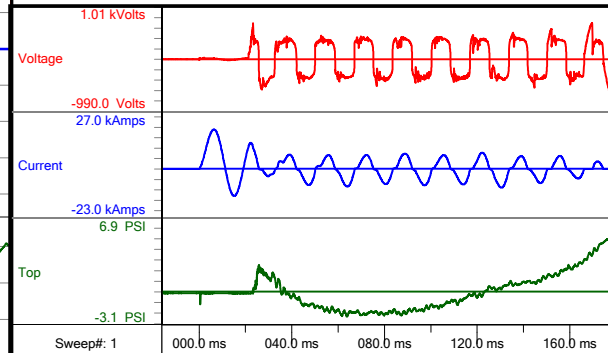
### Comment Section

|        |  |
|--------|--|
| 18 in. |  |
| -      |  |
| -      |  |

### Analysis results are based on this data



### TOTAL VIEW



### INSTRUMENTATION DATA

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

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

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.

PLOT FILE HPL3\_CR\_1\_M

OSC. NO.: HPL3-34389

