

Oscillogram No.: HPL3-34370 OCV = 488 V  
Date of Test: 9/29/2020 Time of Test: 9:50:56 AM

AVAILABLE CIRCUIT CHARACTERISTICS:

Osc. No: 28484 Calibration Date: 05/13/20  
OCV = 481 V Rms Sym Current = 14.25 kA  
Power Factor = 26%



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

Project No.: 6000001332 TestFlow No.: UTK

Test Device: ARC FLASH

Sample No.: 36

ANALYSIS RESULTS TABLE

|                    |                              |
|--------------------|------------------------------|
| Closing Angle      | 19 Deg                       |
| Closing time (V0)+ | 902.3 $\mu$ Sec              |
| Peak Current (Ip)  | 29.54 k Amperes              |
| Time to Ip         | 6.193 m Sec.                 |
| I <sup>2</sup> t   | 9.219 M Amp <sup>2</sup> sec |
| I Duration         | 133.2 m Sec.                 |

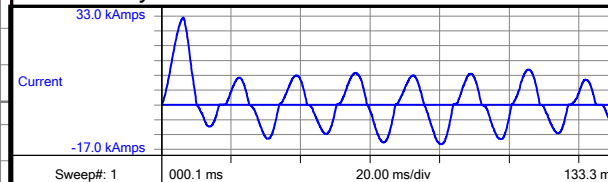
Performance Observations

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

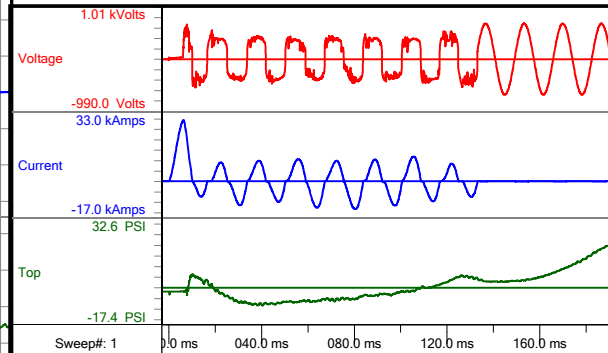
Comment Section

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

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

PLOT FILE HPL3\_CR\_1\_M

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

OSC. NO.: HPL3-34370

