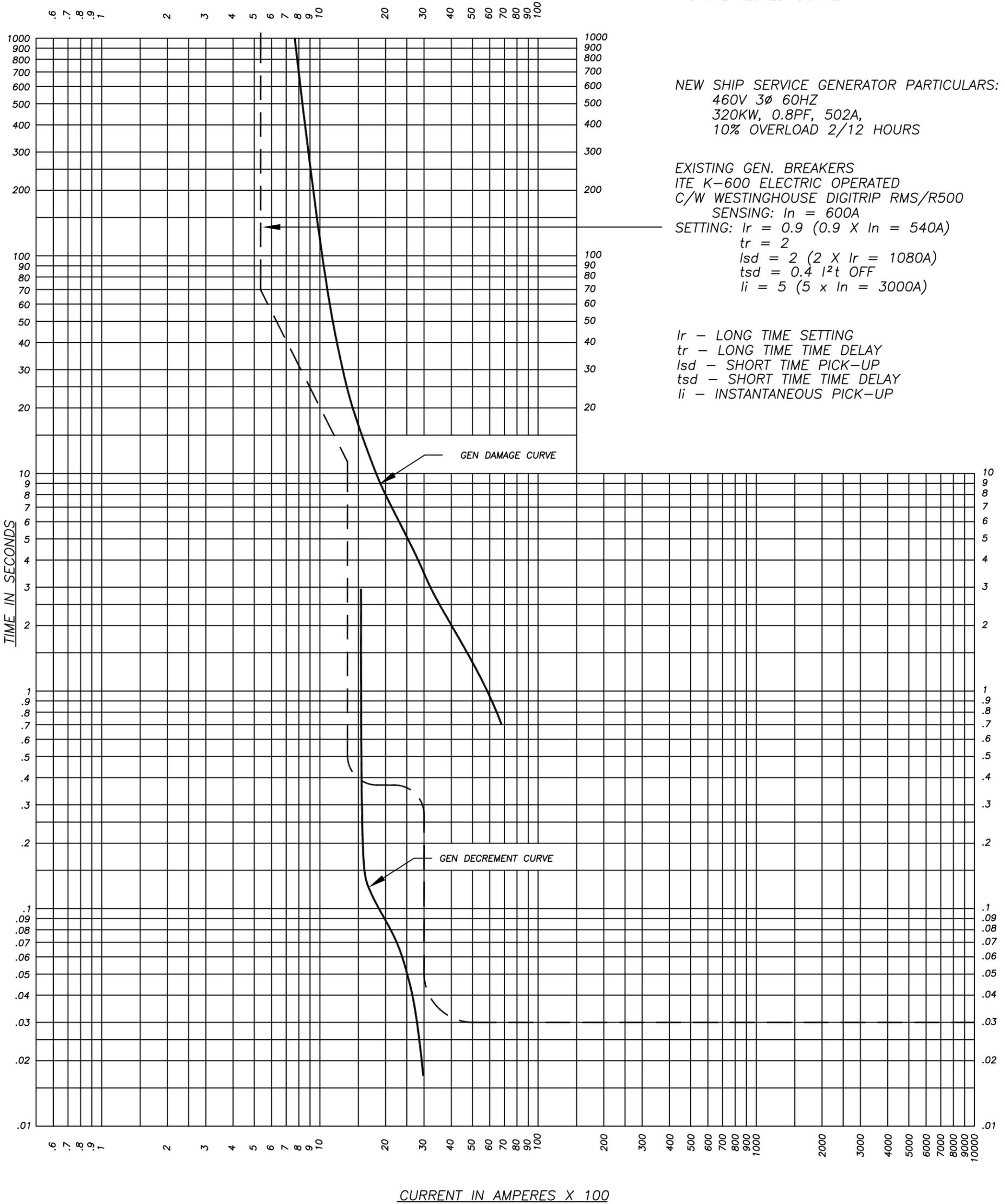


CURRENT IN AMPERES X 100

'ACTUAL TESTED CURVE'



NEW SHIP SERVICE GENERATOR PARTICULARS:  
 460V 3Ø 60HZ  
 320KW, 0.8PF, 502A,  
 10% OVERLOAD 2/12 HOURS

EXISTING GEN. BREAKERS  
 ITE K-600 ELECTRIC OPERATED  
 C/W WESTINGHOUSE DIGITRIP RMS/R500  
 SENSING:  $I_n = 600A$   
 SETTING:  $I_r = 0.9$  ( $0.9 \times I_n = 540A$ )  
 $t_r = 2$   
 $I_{sd} = 2$  ( $2 \times I_r = 1080A$ )  
 $t_{sd} = 0.4 I^2t$  OFF  
 $I_i = 5$  ( $5 \times I_n = 3000A$ )

$I_r$  - LONG TIME SETTING  
 $t_r$  - LONG TIME TIME DELAY  
 $I_{sd}$  - SHORT TIME PICK-UP  
 $t_{sd}$  - SHORT TIME TIME DELAY  
 $I_i$  - INSTANTANEOUS PICK-UP

GEN DAMAGE CURVE

GEN DECREMENT CURVE

CURRENT IN AMPERES X 100



CANAL MARINE  
 A Div. Of C.S. & E. Ltd.  
 ST. CATHARINES, ONT.,  
 CANADA

JOB CCGS GRIFFON - VLE PROJECT  
 GENERATOR CIRCUIT BREAKERS  
 TRIPPING CURVE

CUSTOMER PWDD

|                          |                |
|--------------------------|----------------|
| PROJECT No<br>03-71-0521 | DATE<br>APR 03 |
| DRAWN<br>F.S.            | APPR.          |
| DWG. No<br>521-822-001A  |                |
| SHEET 1 OF 2             |                |

|     |                   |          |    |
|-----|-------------------|----------|----|
| REV | DESCRIPTION       | DATE     | BY |
| A   | REVISED AS TESTED | 08/21/03 | JS |