



KYLE RECLOSER WITH CONTROLLER IMPULSE VOLTAGE WITHSTAND TEST REPORT

Client: Schweitzer Engineering Laboratories, 2350 NE Hopkins Court, Pullman, WA 99163-5603, USA		
Test Date: 22 November 2001	Project: 13351-27(A-1)	
Recloser Nameplate Data		
Manufacturer:	Cooper Power Systems, South Milwaukee, WI, USA	
Rated voltage:	15.5 kV	
Rated current:	630 A	
Serial no.:	002163-AB	
BIL:	110 kV	
Controller Nameplate Data		
Manufacturer:	Schweitzer Engineering Laboratories	
Type:	Recloser Control SEL-351R	
Part no.:	0351 R11X81X1XX1	
Serial no.:	2001/65118	
Test Witness:	Gregory A. Bow, Schweitzer Engineering Laboratories	
Test Standard:	ANSI/IEEE Std. C37.60-1981, Clause 6.2.1(1)	
Atmospheric Conditions:	Barometric pressure	741.3 mmHg
	Temperature	16.4 °C
	Relative humidity	53 %
Test Voltage:	110 kV _{peak}	
Test Procedure:	Four test configurations, as per Clause 6.2.3 of the above standard, were tested with three positive and three negative impulses.	
Test Results:	A) The recloser failed the impulse test requirements (external flashovers between horizontal middle phase terminal and ground). B) The controller passed the impulse test.	

Prepared by:

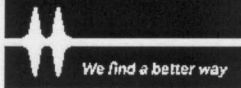
Approved by:


 M. Vasko, P.Eng. 13 March 2002
 Senior Electrical Engineer


 A.J. Vandermaar, P.Eng. 13 March 2002
 Manager, High Voltage Laboratory



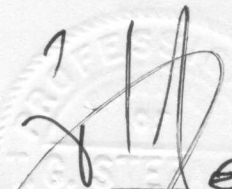
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TEST REPORT N^o 13326-26

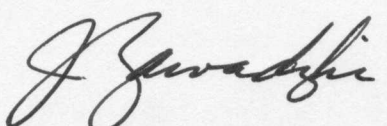
Manufacturer:	Schweitzer Engineering Labs Pullman, WA 99163-5603, USA	
Project No.:	#13326-26	Test dates: 20-21 November 2001
Tested device:	Recloser Control Units #1 and #2	
Type:	SEC - 351R	
Tested Reclosers:	Recloser #1: Whipp and Bourne, Type GVR Recloser #2: Kyle Recloser, Type NOVA 15	
Tests Performed:	<u>Control Unit #1; Recloser #1:</u> <ul style="list-style-type: none"> • Cable Charging Current Tests at 21.9 kV, 5.98 A_{RMS}; 20 × CO operations • Transformer Magnetizing Current Tests at 19.9 kV, 19.6 A_{RMS}; 20 × CO operations <u>Control Unit #2; Recloser #2:</u> <ul style="list-style-type: none"> • Transformer Magnetizing Current Tests at 13.5 kV, 19.7 A_{RMS}; 20 × CO operations • Cable Charging Current Tests at 13.5 kV, 5.25 A_{RMS}; 20 × CO operations 	
Witness:	Mr. Gregory A. Bow	Schweitzer Engineering Labs
Remarks:	The tests were performed under conditions similar to those specified in ANSI/IEEE Standard C37.60-1981, Sections 6.12 and 6.13.	

Tested by:

Reviewed by:



T. Stefanski
T. Stefanski M.Sc., P.Eng.
Head of High Power Lab



J.A. Zawadzki
J.A. Zawadzki M.Sc., P.Eng.
Director, Power Engineering Labs

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