

**EXXONMOBIL CHEMICAL COMPANY
HIGH LEARNING VALUE INCIDENT REPORT ⁽¹⁾**

Identification Number (if any):	Issue Date: 11-Aug-04
Legal review by:	

A. Site	ExxonMobil Chemical Central Europe GmbH
B. Date/Time	Date: 30.07.2004 Time: 11:58
C. Contact Name	Volker Hake, CF-EMT +49 221 770 3580
D. Equipment Involved	Electric Substation Type: AEG SV90/91
E. Incident Description (Factual description of key events and consequences.)	CMP Plant had a near-miss while replacing a shutter (Photo 1) on the 400 V substation. The station and spare parts are 28 years old. Root Cause: the control-switch, located at the end of the shutter (Photo 3 @ bottom right hand), had a hairline crack in the switch casing; casing broke when closing the shutter and caused the shortcut. Other unused spares of shutters of same type already showed some of the same hairline cracking of the switch casing (Photo 4). No injury as electrician wore proper PPE and closed front of shutter protected against electric arc.
F. Causes Direct Causes and Root Causes, including Human Factors.	The direct causes : Hairline crack of the switch casing due to 28 year old spare parts not identified at replacement. The supplemental causes :
G. Risk Potential (Per OIMP Template)	Risk identified for this type of shutter: C III. If shutter would had open front, risk would be C II.
H. Applicable OIMS requirement and/or local practices	Wear specific PSE for work at electric substations Only electricians are allowed to work at substations and they do not work alone
I. Learnings and Recommendations (Brief description of major learning's and key recommendations which are likely to benefit others)	Recommendation: Whoever has similar old spare parts please check carefully the casing of the control-switch up-front assembling of these old spares

- Notes:
- (1) To be used if it cannot be filed via WinIRAS.
 - (2) Do not speculate or conjecture.
 - (3) Work assignment of people involved should be given, but not names.
 - (4) Please attach detailed report if available.

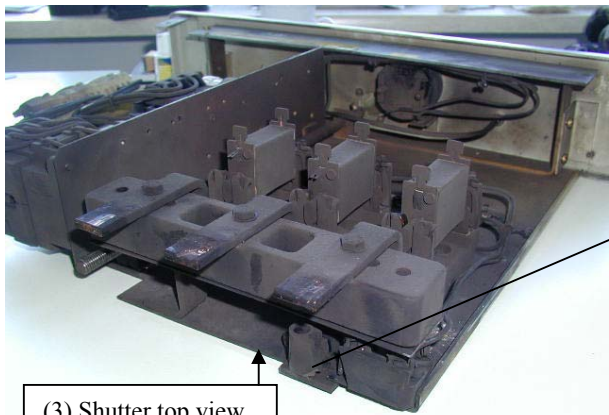
Attachment /Photo



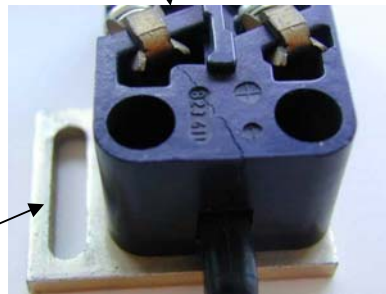
(1) Insert shutter, Face shield and special gloves



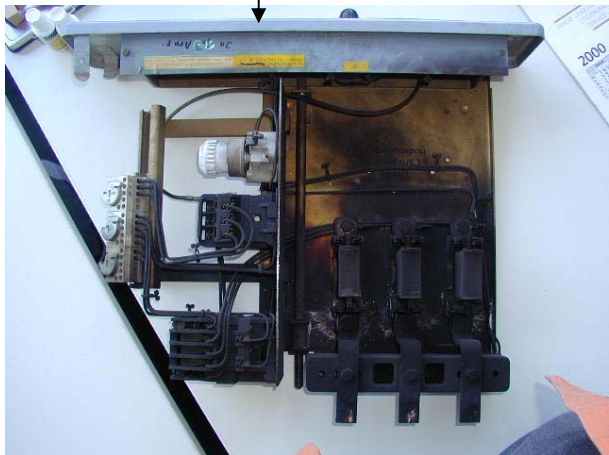
(2) Electrical contacts at rear of shutter



(3) Shutter top view



(4) Hairline crack of the switch casing



Metal front and bottom prevented electric arc from creating more damage to other parts of substation and to hurt electrician.