

Routine Test Report

Date: 28.09.05



Customer:		RATED VALUE:	
AIR LIQUIDE AGS GmbH Site manager Mr. Josef Gvora Job Site of AIR Separation Unit No. 9 SK-04454 Kosice		type designation	AHA12-50-09
Equipment:		Number of this standard	IEC 62271-200 / 2003
		Number of this standard	IEC 60298 / 1994
Customer no. =L01 Production no. TC436416-1 Type designation AHA12-50-09 Year of production 2005		voltage - kV	12
		withst. impulse volt. - kV	75
Purchase order:		withst.power frequency volt.kV	28
		frequency - Hz	50
US Steel Kosice Purchase order no. 9781 Customer ref. 3234-4500066080		operating current outgoing - A	4000
		short-time withstand c. - kA	50
		short circuit duration - sec.	3
		Internal arc classification	IEC 60298
		operating current busbar - A	4000
		operating/installation instr.	531681/531686
		-	=L01
		Purchase order no.	009781

Tests passed acc. to IEC:

Power frequency high voltage test on main circuit (IEC 60298/7.1)
Dielectric test on auxiliary and control circuits (IEC 60298/7.2)
Mechanical operation test. (IEC 60298/7.102))
Test of the auxiliary electrical devices. (IEC 60298/7.105)
Verification of correct wiring. (EN 60298/7.106)
Test of the capacitive voltage indication system (IEC 60243-5)

Routine Test Report

Date: 28.09.05



Customer:		RATED VALUE:	
AIR LIQUIDE AGS GmbH Site manager Mr. Josef Gvora Job Site of AIR Separation Unit No. 9 SK-04454 Kosice		type designation	AHA12-50-09
Equipment:		Number of this standard	IEC 62271-200 / 2003
		Number of this standard	IEC 60298 / 1994
Customer no. =L02 Production no. TC436424-1 Type designation AHA12-50-09 Year of production 2005		voltage - kV	12
		withst. impulse volt. - kV	75
Purchase order:		withst.power frequency volt.kV	28
		frequency - Hz	50
US Steel Kosice Purchase order no. 9781 Customer ref. 3234-4500066080		operating current outgoing - A	1250
		short-time withstand c. - kA	50
		short circuit duration - sec.	3
		Internal arc classification	IEC 60298
		operating current busbar - A	4000
		operating/installation instr.	531681/531686
		-	=L02
		Purchase order no.	009781

Tests passed acc. to IEC:

Power frequency high voltage test on main circuit (IEC 60298/7.1)
Dielectric test on auxiliary and control circuits (IEC 60298/7.2)
Mechanical operation test. (IEC 60298/7.102))
Test of the auxiliary electrical devices. (IEC 60298/7.105)
Verification of correct wiring. (EN 60298/7.106)
Test of the capacitive voltage indication system (IEC 60243-5)

Routine Test Report

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Customer:		RATED VALUE:	
AIR LIQUIDE AGS GmbH Site manager Mr. Josef Gvora Job Site of AIR Separation Unit No. 9 SK-04454 Kosice		type designation	AHA12-50-09
		Number of this standard	IEC 62271-200 / 2003
		Number of this standard	IEC 60298 / 1994
		voltage - kV	12
		withst. impulse volt. - kV	75
		withst. power frequency volt. kV	28
		frequency - Hz	50
		operating current outgoing - A	1250
		short-time withstand c. - kA	50
		short circuit duration - sec.	3
		Internal arc classification	IEC 60298
		operating current busbar - A	4000
		operating/installation instr.	531681/531686
		-	=L03
		Purchase order no.	009781
Equipment:			
Customer no.	=L03		
Production no.	TC436432-1		
Type designation	AHA12-50-09		
Year of production	2005		
Purchase order:			
US Steel Kosice			
Purchase order no. 9781			
Customer ref. 3234-4500066080			

Tests passed acc. to IEC:

Power frequency high voltage test on main circuit (IEC 60298/7.1)
Dielectric test on auxiliary and control circuits (IEC 60298/7.2)
Mechanical operation test. (IEC 60298/7.102))
Test of the auxiliary electrical devices. (IEC 60298/7.105)
Verification of correct wiring. (EN 60298/7.106)
Test of the capacitive voltage indication system (IEC 60243-5)

Routine Test Report

Date: 28.09.05



Customer:		RATED VALUE:	
AIR LIQUIDE AGS GmbH Site manager Mr. Josef Gvora Job Site of AIR Separation Unit No. 9 SK-04454 Kosice		type designation	AHA12-50-09
Equipment:		Number of this standard	IEC 62271-200 / 2003
		Number of this standard	IEC 60298 / 1994
Customer no. =L04 Production no. TC436440-1 Type designation AHA12-50-09 Year of production 2005		voltage - kV	12
		withst. impulse volt. - kV	75
Purchase order:		withst. power frequency volt. kV	28
		frequency - Hz	50
US Steel Kosice Purchase order no. 9781 Customer ref. 3234-4500066080		operating current outgoing - A	1250
		short-time withstand c. - kA	50
		short circuit duration - sec.	3
		Internal arc classification	IEC 60298
		operating current busbar - A	4000
		operating/installation instr.	531681/531686
		-	=L04
		Purchase order no.	009781

Tests passed acc. to IEC:

Power frequency high voltage test on main circuit (IEC 60298/7.1)
Dielectric test on auxiliary and control circuits (IEC 60298/7.2)
Mechanical operation test. (IEC 60298/7.102))
Test of the auxiliary electrical devices. (IEC 60298/7.105)
Verification of correct wiring. (EN 60298/7.106)
Test of the capacitive voltage indication system (IEC 60243-5)

Routine Test Report

Date: 28.09.05



Customer:	RATED VALUE:	
AIR LIQUIDE AGS GmbH Site manager Mr. Josef Gvora Job Site of AIR Separation Unit No. 9 SK-04454 Kosice	type designation	AHA12-50-09
Equipment:	Number of this standard	IEC 62271-200 / 2003
	Number of this standard	IEC 60298 / 1994
Customer no. =L05 Production no. TC436448-1 Type designation AHA12-50-09 Year of production 2005	voltage - kV	12
	withst. impulse volt. - kV	75
Purchase order:	withst. power frequency volt. kV	28
	frequency - Hz	50
US Steel Kosice Purchase order no. 9781 Customer ref. 3234-4500066080	operating current outgoing - A	1250
	short-time withstand c. - kA	50
	short circuit duration - sec.	3
	Internal arc classification	IEC 60298
	operating current busbar - A	4000
	operating/installation instr.	531681/531686
	-	=L05
	Purchase order no.	009781

Tests passed acc. to IEC:

Power frequency high voltage test on main circuit (IEC 60298/7.1)
Dielectric test on auxiliary and control circuits (IEC 60298/7.2)
Mechanical operation test. (IEC 60298/7.102))
Test of the auxiliary electrical devices. (IEC 60298/7.105)
Verification of correct wiring. (EN 60298/7.106)
Test of the capacitive voltage indication system (IEC 60243-5)

Routine Test Report

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Customer:		RATED VALUE:	
AIR LIQUIDE AGS GmbH Site manager Mr. Josef Gvora Job Site of AIR Separation Unit No. 9 SK-04454 Kosice		type designation	AHA12-50-09
Equipment:		Number of this standard	IEC 62271-200 / 2003
		Number of this standard	IEC 60298 / 1994
Customer no. =L06 Production no. TC436458-1 Type designation AHA12-50-09 Year of production 2005		voltage - kV	12
		withst. impulse volt. - kV	75
		withst.power frequency volt.kV	28
		frequency - Hz	50
		operating current outgoing - A	2500
		short-time withstand c. - kA	50
		short circuit duration - sec.	3
		Internal arc classification	IEC 60298
		operating current busbar - A	4000
		operating/installation instr.	531681/531686
Purchase order:		-	=L06
		Purchase order no.	009781
US Steel Kosice Purchase order no. 9781 Customer ref. 3234-4500066080			

Tests passed acc. to IEC:

Power frequency high voltage test on main circuit (IEC 60298/7.1)
Dielectric test on auxiliary and control circuits (IEC 60298/7.2)
Mechanical operation test. (IEC 60298/7.102))
Test of the auxiliary electrical devices. (IEC 60298/7.105)
Verification of correct wiring. (EN 60298/7.106)
Test of the capacitive voltage indication system (IEC 60243-5)

Routine Test Report

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Customer:		RATED VALUE:	
AIR LIQUIDE AGS GmbH Site manager Mr. Josef Gvora Job Site of AIR Separation Unit No. 9 SK-04454 Kosice		type designation	AHA12-50-09
Equipment:		Number of this standard	IEC 62271-200 / 2003
		Number of this standard	IEC 60298 / 1994
Customer no. =L07 Production no. TC436474-1 Type designation AHA12-50-09 Year of production 2005		voltage - kV	12
		withst. impulse volt. - kV	75
Purchase order:		withst. power frequency volt. kV	28
		frequency - Hz	50
US Steel Kosice Purchase order no. 9781 Customer ref. 3234-4500066080		operating current outgoing - A	1250
		short-time withstand c. - kA	50
		short circuit duration - sec.	3
		Internal arc classification	IEC 60298
		operating current busbar - A	4000
		operating/installation instr.	531681/531686
		-	=L07
		Purchase order no.	009781

Tests passed acc. to IEC:

Power frequency high voltage test on main circuit (IEC 60298/7.1)
Dielectric test on auxiliary and control circuits (IEC 60298/7.2)
Mechanical operation test. (IEC 60298/7.102))
Test of the auxiliary electrical devices. (IEC 60298/7.105)
Verification of correct wiring. (EN 60298/7.106)
Test of the capacitive voltage indication system (IEC 60243-5)

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Customer:		RATED VALUE:	
AIR LIQUIDE AGS GmbH Site manager Mr. Josef Gvora Job Site of AIR Separation Unit No. 9 SK-04454 Kosice		type designation	AHA12-50-09
Equipment:		Number of this standard	IEC 62271-200 / 2003
		Number of this standard	IEC 60298 / 1994
Customer no. =L08 Production no. TC436492-1 Type designation AHA12-50-09 Year of production 2005		voltage - kV	12
		withst. impulse volt. - kV	75
		withst. power frequency volt. kV	28
		frequency - Hz	50
		operating current outgoing - A	4000
		short-time withstand c. - kA	50
		short circuit duration - sec.	3
		Internal arc classification	IEC 60298
		operating current busbar - A	4000
		operating/installation instr.	531681/531686
Purchase order:		-	=L08
		Purchase order no.	009781
US Steel Kosice Purchase order no. 9781 Customer ref. 3234-4500066080			.
			.

Tests passed acc. to IEC:

Power frequency high voltage test on main circuit (IEC 60298/7.1)
Dielectric test on auxiliary and control circuits (IEC 60298/7.2)
Mechanical operation test. (IEC 60298/7.102))
Test of the auxiliary electrical devices. (IEC 60298/7.105)
Verification of correct wiring. (EN 60298/7.106)
Test of the capacitive voltage indication system (IEC 60243-5)

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Customer:		RATED VALUE:	
AIR LIQUIDE AGS GmbH Site manager Mr. Josef Gvora Job Site of AIR Separation Unit No. 9 SK-04454 Kosice		type designation	AHA12-50-09
Equipment:		Number of this standard	IEC 62271-200 / 2003
		Number of this standard	IEC 60298 / 1994
Customer no. =L09 Production no. TC436500-1 Type designation AHA12-50-09 Year of production 2005		voltage - kV	12
		withst. impulse volt. - kV	75
		withst. power frequency volt. kV	28
		frequency - Hz	50
		operating current outgoing - A	4000
		short-time withstand c. - kA	50
		short circuit duration - sec.	3
		Internal arc classification	IEC 60298
		operating current busbar - A	4000
		operating/installation instr.	531681/531686
Purchase order:		-	=L09
		Purchase order no.	009781
US Steel Kosice Purchase order no. 9781 Customer ref. 3234-4500066080			

Tests passed acc. to IEC:

Power frequency high voltage test on main circuit (IEC 60298/7.1)
Dielectric test on auxiliary and control circuits (IEC 60298/7.2)
Mechanical operation test. (IEC 60298/7.102))
Test of the auxiliary electrical devices. (IEC 60298/7.105)
Verification of correct wiring. (EN 60298/7.106)
Test of the capacitive voltage indication system (IEC 60243-5)

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Customer:	RATED VALUE:	
AIR LIQUIDE AGS GmbH Site manager Mr. Josef Gvora Job Site of AIR Separation Unit No. 9 SK-04454 Kosice	type designation	AHA12-50-09
Equipment:	Number of this standard	IEC 62271-200 / 2003
	Number of this standard	IEC 60298 / 1994
Customer no. =L10 Production no. TC436508-1 Type designation AHA12-50-09 Year of production 2005	voltage - kV	12
	withst. impulse volt. - kV	75
Purchase order:	withst. power frequency volt. kV	28
	frequency - Hz	50
US Steel Kosice Purchase order no. 9781 Customer ref. 3234-4500066080	operating current outgoing - A	4000
	short-time withstand c. - kA	50
	short circuit duration - sec.	3
	Internal arc classification	IEC 60298
	operating current busbar - A	4000
	operating/installation instr.	531681/531686
	-	=L10
	Purchase order no.	009781

Tests passed acc. to IEC:

Power frequency high voltage test on main circuit (IEC 60298/7.1)
Dielectric test on auxiliary and control circuits (IEC 60298/7.2)
Mechanical operation test. (IEC 60298/7.102))
Test of the auxiliary electrical devices. (IEC 60298/7.105)
Verification of correct wiring. (EN 60298/7.106)
Test of the capacitive voltage indication system (IEC 60243-5)

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Customer:		RATED VALUE:	
AIR LIQUIDE AGS GmbH Site manager Mr. Josef Gvora Job Site of AIR Separation Unit No. 9 SK-04454 Kosice		type designation	AHA12-50-09
Equipment:		Number of this standard	IEC 62271-200 / 2003
		Number of this standard	IEC 60298 / 1994
Customer no. =L11 Production no. TC436525-1 Type designation AHA12-50-09 Year of production 2005		voltage - kV	12
		withst. impulse volt. - kV	75
		withst.power frequency volt.kV	28
		frequency - Hz	50
		operating current outgoing - A	4000
		short-time withstand c. - kA	50
		short circuit duration - sec.	3
		Internal arc classification	IEC 60298
		operating current busbar - A	4000
		operating/installation instr.	531681/531686
Purchase order:		-	=L11
		Purchase order no.	009781
US Steel Kosice Purchase order no. 9781 Customer ref. 3234-4500066080			

Tests passed acc. to IEC:

Power frequency high voltage test on main circuit (IEC 60298/7.1)
Dielectric test on auxiliary and control circuits (IEC 60298/7.2)
Mechanical operation test. (IEC 60298/7.102))
Test of the auxiliary electrical devices. (IEC 60298/7.105)
Verification of correct wiring. (EN 60298/7.106)
Test of the capacitive voltage indication system (IEC 60243-5)

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Customer:		RATED VALUE:	
AIR LIQUIDE AGS GmbH Site manager Mr. Josef Gvora Job Site of AIR Separation Unit No. 9 SK-04454 Kosice		type designation	AHA12-50-09
Equipment:		Number of this standard	IEC 62271-200 / 2003
		Number of this standard	IEC 60298 / 1994
Customer no. =L12 Production no. TC436533-1 Type designation AHA12-50-09 Year of production 2005		voltage - kV	12
		withst. impulse volt. - kV	75
		withst. power frequency volt. kV	28
		frequency - Hz	50
		operating current outgoing - A	4000
		short-time withstand c. - kA	50
		short circuit duration - sec.	3
		Internal arc classification	IEC 60298
		operating current busbar - A	4000
		operating/installation instr.	531681/531686
Purchase order:		-	=L12
		Purchase order no.	009781
US Steel Kosice Purchase order no. 9781 Customer ref. 3234-4500066080			

Tests passed acc. to IEC:

Power frequency high voltage test on main circuit (IEC 60298/7.1)
Dielectric test on auxiliary and control circuits (IEC 60298/7.2)
Mechanical operation test. (IEC 60298/7.102))
Test of the auxiliary electrical devices. (IEC 60298/7.105)
Verification of correct wiring. (EN 60298/7.106)
Test of the capacitive voltage indication system (IEC 60243-5)

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Customer:		RATED VALUE:	
AIR LIQUIDE AGS GmbH Site manager Mr. Josef Gvora Job Site of AIR Separation Unit No. 9 SK-04454 Kosice		type designation	AHA12-50-09
Equipment:		Number of this standard	IEC 62271-200 / 2003
		Number of this standard	IEC 60298 / 1994
Customer no. =L13 Production no. TC436541-1 Type designation AHA12-50-09 Year of production 2005		voltage - kV	12
		withst. impulse volt. - kV	75
Purchase order:		withst. power frequency volt. kV	28
		frequency - Hz	50
US Steel Kosice Purchase order no. 9781 Customer ref. 3234-4500066080		operating current outgoing - A	2500
		short-time withstand c. - kA	50
		short circuit duration - sec.	3
		Internal arc classification	IEC 60298
		operating current busbar - A	4000
		operating/installation instr.	531681/531686
		-	=L13
		Purchase order no.	009781

Tests passed acc. to IEC:

Power frequency high voltage test on main circuit (IEC 60298/7.1)
Dielectric test on auxiliary and control circuits (IEC 60298/7.2)
Mechanical operation test. (IEC 60298/7.102))
Test of the auxiliary electrical devices. (IEC 60298/7.105)
Verification of correct wiring. (EN 60298/7.106)
Test of the capacitive voltage indication system (IEC 60243-5)

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Date: 28.09.05



Customer:	RATED VALUE:	
AIR LIQUIDE AGS GmbH Site manager Mr. Josef Gvora Job Site of AIR Separation Unit No. 9 SK-04454 Kosice	type designation	AHA12-50-09
Equipment:	Number of this standard	IEC 62271-200 / 2003
	Number of this standard	IEC 60298 / 1994
	voltage - kV	12
	withst. impulse volt. - kV	75
	withst.power frequency volt.kV	28
	frequency - Hz	50
	operating current outgoing - A	4000
	short-time withstand c. - kA	50
	short circuit duration - sec.	3
	Internal arc classification	IEC 60298
Customer no. =L14	operating current busbar - A	4000
Production no. TC436549-1	operating/installation instr.	531681/531686
Type designation AHA12-50-09	-	=L14
Year of production 2005	Purchase order no.	009781
Purchase order:		
US Steel Kosice		
Purchase order no. 9781		
Customer ref. 3234-4500066080		

Tests passed acc. to IEC:

Power frequency high voltage test on main circuit (IEC 60298/7.1)
Dielectric test on auxiliary and control circuits (IEC 60298/7.2)
Mechanical operation test. (IEC 60298/7.102))
Test of the auxiliary electrical devices. (IEC 60298/7.105)
Verification of correct wiring. (EN 60298/7.106)
Test of the capacitive voltage indication system (IEC 60243-5)

Routine Test Report

Date: 28.09.05



Customer:		RATED VALUE:	
AIR LIQUIDE AGS GmbH Site manager Mr. Josef Gvora Job Site of AIR Separation Unit No. 9 SK-04454 Kosice		type designation	AHA12-50-09
Equipment:		Number of this standard	IEC 62271-200 / 2003
		Number of this standard	IEC 60298 / 1994
Customer no. =L15 Production no. TC436557-1 Type designation AHA12-50-09 Year of production 2005		voltage - kV	12
		withst. impulse volt. - kV	75
Purchase order:		withst.power frequency volt.kV	28
		frequency - Hz	50
US Steel Kosice Purchase order no. 9781 Customer ref. 3234-4500066080		operating current outgoing - A	1250
		short-time withstand c. - kA	50
		short circuit duration - sec.	3
		Internal arc classification	IEC 60298
		operating current busbar - A	4000
		operating/installation instr.	531681/531686
		-	=L15
		Purchase order no.	009781

Tests passed acc. to IEC:

Power frequency high voltage test on main circuit (IEC 60298/7.1)
Dielectric test on auxiliary and control circuits (IEC 60298/7.2)
Mechanical operation test. (IEC 60298/7.102))
Test of the auxiliary electrical devices. (IEC 60298/7.105)
Verification of correct wiring. (EN 60298/7.106)
Test of the capacitive voltage indication system (IEC 60243-5)