

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	AHA 12-31-09
Equipment:		Number of this standard	IEC 62271-200 / 2003
		Number of this standard	IEC 60298 / 1994
Customer no. =L01 Production no. TC425606-1 Type designation AHA 12-31-09 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	31.5
		short circuit duration - sec.	3
		Internal arc classification	IEC 60298
		operating current busbar - A	2500
		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

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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	AHA 12-31-09
Equipment:		Number of this standard	IEC 62271-200 / 2003
		Number of this standard	IEC 60298 / 1994
Customer no. =L02 Production no. TC436285-1 Type designation AHA 12-31-09 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	630
		short-time withstand c. - kA	31.5
		short circuit duration - sec.	3
		Internal arc classification	IEC 60298
		operating current busbar - A	2500
		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)

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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	AHA 12-31-09
Equipment:		Number of this standard	IEC 62271-200 / 2003
		Number of this standard	IEC 60298 / 1994
Customer no. =L03 Production no. TC436302-1 Type designation AHA 12-31-09 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	630
		short-time withstand c. - kA	31.5
		short circuit duration - sec.	3
		Internal arc classification	IEC 60298
		operating current busbar - A	2500
		operating/installation instr.	531681/531686
Purchase order:		-	=L03
		Purchase order no.	009781
US Steel Kosice Purchase order no. 9781 Customer ref. 3234-4500066080			.
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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	AHA 12-31-09
Equipment:		Number of this standard	IEC 62271-200 / 2003
		Number of this standard	IEC 60298 / 1994
Customer no. =L04 Production no. TC436319-1 Type designation AHA 12-31-09 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	630
		short-time withstand c. - kA	31.5
		short circuit duration - sec.	3
		Internal arc classification	IEC 60298
		operating current busbar - A	2500
		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)

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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	AHA 12-31-09
Equipment:		Number of this standard	IEC 62271-200 / 2003
		Number of this standard	IEC 60298 / 1994
Customer no. =L05 Production no. TC436336-1 Type designation AHA 12-31-09 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	31.5
		short circuit duration - sec.	3
		Internal arc classification	IEC 60298
		operating current busbar - A	2500
		operating/installation instr.	531681/531686
		-	=L05
		Purchase order no.	009781
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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	AHA 12-31-09
Equipment:		Number of this standard	IEC 62271-200 / 2003
		Number of this standard	IEC 60298 / 1994
Customer no. =L06 Production no. TC436353-1 Type designation AHA 12-31-09 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	630
		short-time withstand c. - kA	31.5
		short circuit duration - sec.	3
		Internal arc classification	IEC 60298
		operating current busbar - A	2500
		operating/installation instr.	531681/531686
Purchase order:		-	=L06
		Purchase order no.	009781
US Steel Kosice Purchase order no. 9781 Customer ref. 3234-4500066080			.
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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	AHA 12-31-09
Equipment:	Number of this standard	IEC 62271-200 / 2003
	Number of this standard	IEC 60298 / 1994
Customer no. =L07 Production no. TC436370-1 Type designation AHA 12-31-09 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	31.5
	short circuit duration - sec.	3
	Internal arc classification	IEC 60298
	operating current busbar - A	2500
	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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AIR LIQUIDE AGS GmbH Site manager Mr. Josef Gvora Job Site of AIR Separation Unit No. 9 SK-04454 Kosice		type designation	AHA 12-31-09
Equipment:		Number of this standard	IEC 62271-200 / 2003
		Number of this standard	IEC 60298 / 1994
Customer no. =L08 Production no. TC436378-1 Type designation AHA 12-31-09 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	31.5
		short circuit duration - sec.	3
		Internal arc classification	IEC 60298
		operating current busbar - A	2500
		operating/installation instr.	531681/531686
		-	=L08
		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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AIR LIQUIDE AGS GmbH Site manager Mr. Josef Gvora Job Site of AIR Separation Unit No. 9 SK-04454 Kosice		type designation	AHA 12-31-09
Equipment:		Number of this standard	IEC 62271-200 / 2003
		Number of this standard	IEC 60298 / 1994
Customer no. =L09 Production no. TC436395-1 Type designation AHA 12-31-09 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	31.5
		short circuit duration - sec.	3
		Internal arc classification	IEC 60298
		operating current busbar - A	2500
		operating/installation instr.	531681/531686
Purchase order:		-	=L09
		Purchase order no.	009781
US Steel Kosice Purchase order no. 9781 Customer ref. 3234-4500066080			.
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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)