

Page 1 of 5	CCS-0006A0000-00			
Form approved by				
Inspected by:	ТК	21/07/14		
Supervisor in charge:	JF 21/07/1			
	Initial	Date		

	(1) Water Circuit Leak Test.						
Apply wate	Apply water pressure of 1.5 [Mpa] to each cooling circuit for 30 minutes and check for leakage.						
Custo	omer	Purch	ase Or	der #	Magnet Serial N	lumber	
		510	00027		01		
Drawii	ng No.	Revision		De	escription		
0006	A000	С		Small	coil assembly	\checkmark	
		89173					
Мо	del	Seria	al Num	ıber	Calibration Du	e Date	
Dweyer	DPG-06	BSL-00	09-DP	G-788	11/07/20	15	
		21/07/2014	1		[DD / MM / YYYY]		
		15.2			[°C]		
		63			[%]		
	No	water leaks det	ected				
Pancake 1:	Leaks	/	N	o Leaks			
Pancake 2:	Leaks	1	N	o Leaks			
Pancake 3:	Leaks	/	N	o Leaks			
Pancake 4:	Leaks	/	N	o Leaks			
	Strike throug	gh whatever is not applic	able				
	PASS	/	-F.				
	Custo J-La Drawin 0006 Mo Dweyer Pancake 1: Pancake 2: Pancake 3:	Customer J-Labs Drawing No. 0006A000 0006A000 0006A00 00000 0006A000 00	Apply water pressure of 1.5 [Mpa] to each component of the serie	Apply water pressure of 1.5 [Mpa] to each cooling Customer Purchase Or J-Labs 51000027 Drawing No. Revision 0006A000 C 0006A000 C Model Serial Num Dweyer DPG-06 BSL-0009-DP Model Serial Num Dweyer DPG-06 BSL-0009-DP Model Serial Num Dweyer DPG-06 BSL-0009-DP Model Serial Num Model Serial Num Dweyer DPG-06 BSL-0009-DP Model Serial Num Pancake 1: Leaks Pancake 2: Leaks / Pancake 3: Leaks / No Pancake 3: Leaks / No Strike through whatever is not applicable Strike through whatever is not applicable Strike through whatever is not applicable	Apply water pressure of 1.5 [Mpa] to each cooling circuit for 30 m Customer Purchase Order # J-Labs 5100002741 Drawing No. Revision De 0006A000 C Small 89173 89173 Model Serial Number 89174 89173	Apply water pressure of 1.5 [Mpa] to each cooling circuit for 30 minutes and check for 1 Customer Purchase Order # Magnet Serial N J-Labs 5100002741 01 Drawing No. Revision Description 0006A000 C Small coil assembly 89173 Model Serial Number Calibration Du Weyer DPG-06 BSL-0009-DPG-788 11/07/201 Model Serial Number Calibration Du Dweyer DPG-06 BSL-0009-DPG-788 11/07/201 Customer Calibration Du Customer Calib	



Page 2 of 5	CCS-0006A0000-00			
Form approved by				
Inspected by:	ТК	28/07/14		
Supervisor in charge:	JF	28/07/14		
	Initial	Date		

Test Item:						
Test Item:			(2) Water Ci	rcuit Flow Test.		
Detail:	Measure the flow rate of each cooling circuit at a pressure drop of 32.5 [PSI] and water inlet temperature of 35 [°C].					
Unit Under Test:				55 [C].		
onit onder rest.						
Contract:	Custo J-La			se Order # 002741	Magnet Serial Nu	umber
	Drawir		Revision		escription	
Part:	0006/	4000	С	Small	coil assembly	V
Coil Serial Number:			89173			
Equipment:						
	Мо	del	Serial	Number	Calibration Due	Date
Flow Meter:	R			-G9	10/01/201	
Pressure Gauge:	Dweyer			003-DPG 003-DPG	23/07/2015	
Pressure Gauge:	Dweyer	DPG-09	BSL-00	JUJ3-DPG	23/07/201)
Test Condition:						
Date:			28/07/2014		[DD / MM / YYYY]	
Ambient Temp:			13.1		[°C]	
Humidity:		58 [[%]		
Criteria:						
Measurement:	Wa	ater flow rate \geq 2.	.60 [L/min] @ 32.	.5 [PSI] pressure dr	ор	
Results:						
]		Pressure [PS	l]	Flow Rate]
		Inlet	Outlet	Drop	[l/min]	
	Pancake 1:	44.6	10.6	34.0	2.6]
	Pancake 2:	45.8	10.8	35.0	2.6	
	Pancake 3:	44.8	10.6	34.2	2.6	
	Pancake 4:	44.6	10.8	33.8	2.6	
Judgement:						
		PASS	/	FAIL		
		Strike throu	gh whatever is not applicabl	e		



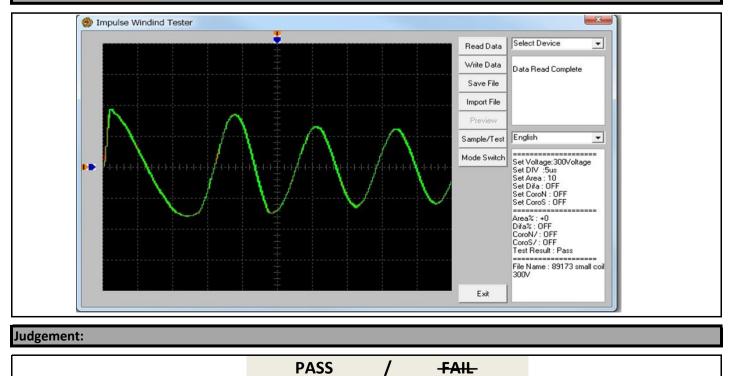
Page 3 of 5	CCS-0006A0000-00			
Form approved by				
Inspected by:	ТК	21/07/14		
Supervisor in charge:	JF	21/07/14		
	Initial	Date		

Test Item:								
Test Item:	4-4 (1) (b) (i) Resistance Measurement of Magnet.							
Detail:	Measure the resistance of each pancake and the whole coil by 4-terminal method.							
	Measure the temperature and correct the resistance measurement to 20 [°C].							
Unit Under Test:								
Contract:	Custo							
	J-La Drawii		51000 Revision	02741	01 escription			
Part:	0006		C		coil assembly	V		
Coil Serial Number:			89713					
Equipment:								
	Мо	del	Serial N	lumber	Calibration Due	Date		
Thermometer:	HH506R/			0285	11/04/2015			
Power Supply:	Isotech I		30108	392G3	23/04/2015	j		
Voltmeter:	Isotech	IDM72	2590	0022	8/05/2015			
Test Condition:								
Date:			21/07/2014		[DD / MM / YYYY]			
Ambient Temp:			15.3		[°C]			
Humidity:			63		[%]			
Criteria:								
Measurement:		Record the re	esistance and tem	perature measure	ements below.			
Observation:				ormalities				
Results:								
	Pancake 1	Pancake 2	Pancake 3	Pancake 4	Coil			
Rmeas:	2.43	2.48	2.48	2.43	9.82	[Ω]		
T _{meas} :	10.0	10.0	10.0	10.0	10	[°C]		
R20°C:	2.53	2.58	2.58	2.53	10.21	[Ω]		
1120 0.	2.55		R _{meas} (1 + 0.00393		10.21	[32]		
Judgement:								
		DVCC	1	FAIL				
		PASS Strike throug	gh whatever is not applicable					



Page 4 of 5	CCS-0006A0000-00			
Form approved b				
Inspected by:	ТК	22/07/14		
Supervisor in charge:	: JF 22/07			
	Initial	Date		

Test Item:		(4) Induced \	Voltage Test.			
D 1 1	Perform a 300V impulse test on the completed coil to verify the inter-turn insulation.					
Detail:	Record the resulting waveform.					
t Under Test:						
	Custom an	Durahaaa	Ouder #	Mary at Cavia	Number	
Contract:	Customer	Purchase		_	erial Number	
	J-Labs	51000	-	01		
	Drawing No.	Revision	De	escription	_	
Part:	0006A000	C	Small	nall coil assembly		
Coil Serial Number:		89713				
ipment:						
	Model	Serial N	umber	Calibration D	ue Date	
Impulse Tester:	Leaptronix	IWAT-5	5000A	4/12/20)14	
t Condition:		22/07/2014		[DD / MM / YYYY]		
Date:		22/07/2014				
t Condition: Date: Ambient Temp:		10.2		[°C]		
Date:				[°C] [%]		
Date: Ambient Temp:		10.2				
Date: Ambient Temp: Humidity:	Re	10.2	veform and insert	[%]		



Strike through whatever is not applicable



Page 5 of 5	CCS-0006A0000-00		
Form approved b			
Inspected by:	ТК	28/07/14	
Supervisor in charge:	JF	28/07/14	
	Initial	Date	

Test Item:							
Test Item:		(5) DC Hij					
Detail:	Immerse the completed coil in tap water and then measure the leakage current between the coil						
	termin	terminals and the water bath at 4.8[kVDC] for 1 minute.					
Unit Under Test:							
Contract:	Customer	Purchase		Magnet Serial	Number		
contract.	J-Labs	510000		01			
Danti	Drawing No.	Revision	De	escription			
Part:	0006A000	С	Small	coil assembly	\checkmark		
Coil Serial Number:		89173					
Equipment:							
	Model	odel Serial Number		Calibration Due Date			
Hipot Tester:	Quadtech 20plus	\$003000	01272	5/03/2015			
Test Condition:							
Date:		28/07/2014		[DD / MM / YYYY]			
Ambient Temp:		14.3		[°C]			
Humidity:		54		[%]			
Criteria:							
Measurement:		Record the leakage c					
Observation:	No evidence of	breakdown or signific	cant change in in	sulation resistance.			
Results:							
Leaka	ge Current:	0.8		[µA] @ 4.8 [kVt	oc]		
Judgement:							
	PAS	s /	FAIL				
		hrough whatever is not applicable					