Appendix

PROTECTED

2010 VISCOSITY CUP

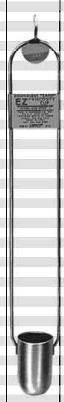
PRODUCED BY AND ONLY FOR GARDCO VISCOSITY

PAUL N. GARDNER COMPANY,

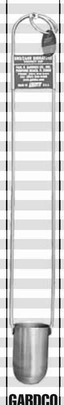
*CONVERSION BETWEEN CENTISTOKES "V" AND SECONDS "T": V = KT – C/T

	GARDCO EZ™ ZAHN (ASTM) DIP CUP					GARDCO S90/ZAHN SIGNATURE DIP CUP				
K	0.875	2.80	10.09	13.26	23.56	1.590	4.18	10.23	15.13	27.27
C	993	747	587	673	744	1070	760	575	545	540
MIN. Cs	10	19	64	79	161	15	39	63	97	219
MAX. Cs	36	156	596	784	1401	78	238	604	899	1627
STD. OIL	G10	G60	G200	G200	G350	G20	G60	G100	G350	G350
TOLERANCE	3%	3%	3%	3%	3%	5%	5%	5%	5%	5%
Cs/SEC.**	1.3	3.3	10.5	13.9	24.2	2.0	4.5	11.0	15.5	27.0
CENTI-STOKES	1	2	3	4	5	1	2	3	4	5
ITEM#	VI-EZ1	VI-EZ2	VI-EZ3	VI-EZ4	VI-EZ5	VI-2101	VI-2102	VI-2103	VI-2104	VI-2105
	(EFFLUX TIME IN SECONDS)					(EFFLUX TIME IN SECONDS)				
7.5										
7.9										
8.3										
8.7										
9.1										
9.6										
10.0	39.9									
10.5	40.2									
11.1	40.6									
11.6	41.0									
12.2	41.4									
12.8	41.8									
13.5	42.3									
14.1	42.7									
14.8	43.2					31.0				
15.6	43.8					31.3				
16.4	44.3					31.6				
17.2	44.9					31.9				
18.0	45.5					32.2				
18.9	46.2					32.6				
19.9	46.9	20.3				32.9				
20.9	47.7	20.5				33.3				
21.9	48.5	20.7				33.7				
23.0	49.3	20.9				34.2				
24.2	50.2	21.2				34.6				
25.4	51.2	21.5				35.1				
26.7	52.2	21.8				35.7				
28.0	53.3	22.1				36.2				
29.4	54.4	22.4				36.8				
30.9	55.7	22.8				37.4				
32.4	57.0	23.1				38.1				
34.0	58.3	23.5				38.8				
35.7	59.8	23.9				39.5				
37.5	61.4	24.3				40.3	18.7			
39.4		24.8				41.1	19.0			
41.4		25.3				42.0	19.3			
43.4		25.8				43.0	19.6			
45.6		26.4				44.0	20.0			
47.9		27.0				45.1	20.4			
50.3		27.6				46.2	20.8			
52.8		28.3				47.4	21.2			
55.4		29.0				48.7	21.7			
58.2		29.8				50.0	22.1			
61.1		30.6				51.5	22.6			
64.2		31.4	11.4			53.1	23.2	11.3		
67.4		32.3	11.7			54.7	23.8	11.5		
70.8		33.3	11.9			56.4	24.4	11.7		
74.3		34.3	12.2			58.3	25.0	12.0		
78.0		35.4	12.4			60.2	25.7	12.2		
81.9		36.5	12.7	10.9			26.5	12.5		
86.0		37.8	13.0	11.1			27.2	12.8		
90.3		39.1	13.3	11.3			28.1	13.1		
94.8		40.5	13.7	11.5			29.0	13.4		
99.5		41.9	14.0	11.8			29.9	13.8	10.1	
104.5		43.5	14.4	12.1			30.9	14.2	10.4	
109.8		45.1	14.8	12.4			32.0	14.6	10.6	
115.2		46.8	15.2	12.7			33.1	15.0	10.9	
121.0		48.7	15.7	13.0			34.3	15.5	11.2	
127.1		50.7	16.2	13.4			35.5	15.9	11.5	
133.4		52.7	16.7	13.8			36.8	16.5	11.9	
140.1		54.9	17.3	14.2			38.3	17.0	12.2	
147.1		57.2	17.8	14.6			39.8	17.6	12.6	
154.4		59.6	18.5	15.0			41.3	18.2	13.0	
162.2		62.2	19.1	15.5	10.0		43.0	18.8	13.4	
170.3			19.8	16.0	10.3		44.8	19.5	13.9	
178.8			20.6	16.6	10.6		46.7	20.3	14.3	
187.7			21.3	17.1	10.9		48.6	21.0	14.8	
197.1			22.2	17.7	11.2		50.7	21.8	15.4	
207.0			23.0	18.4	11.5		53.0	22.7	15.9	
217.3			24.0	19.1	11.9		55.3	23.6	16.5	
228.2			24.9	19.8	12.3		57.7	24.6	17.2	10.3
239.6			26.0	20.5	12.7		60.3	25.6	17.9	10.6
251.6			27.1	21.4	13.1			26.7	18.6	11.0
264.1			28.2	22.2	13.5			27.8	19.3	11.4
277.3			29.5	23.1	14.0			29.0	20.1	11.8
291.2			30.8	24.1	14.5			30.3	21.0	12.3
305.8			32.1	25.1	15.1			31.7	21.9	12.8
321.1			33.6	26.2	15.6			33.1	22.8	13.3
337.1			35.1	27.3	16.3			34.6	23.8	13.8
354.0			36.7	28.5	16.9			36.2	24.8	14.4
371.7			38.4	29.7	17.6			37.8	26.0	15.0
390.2			40.1	31.1	18.3			39.6	27.1	15.6
409.7			42.0	32.5	19.0			41.4	28.3	16.2
430.2			44.0	33.9	19.9			43.3	29.6	16.9
451.7			46.0	35.5	20.7			45.4	31.0	17.7
474.3			48.2	37.1	21.6			47.5	32.5	18.5
498.1			50.5	38.9	22.5			49.8	34.0	19.3
523.0			52.9	40.7	23.5			52.2	35.6	20.2
549.1			55.5	42.6	24.6			54.7	37.3	21.1
576.6			58.1	44.6	25.7			57.3	39.0	22.0
605.4			61.0	46.7	26.9			60.1	40.9	23.1
635.7				49.0	28.1				42.9	24.1
667.4				51.3	29.4				44.9	25.3
700.8				53.8	30.8				47.1	26.4
735.8				56.4	32.2				49.4	27.7
772.6				59.1	33.7				51.8	29.0
811.3				62.0	35.3				54.3	30.4
851.8					37.0				56.9	31.9
894.4					38.8				59.7	33.4
939.1					40.6				62.6	35.0
986.1					42.6					36.7
1035.4					44.7					38.5
1087.2					46.8					40.4
1141.5					49.1					42.3
1198.6					51.5					44.4
1258.5					54.0					46.6
1321.5					56.6					48.9
1387.5					59.4					51.3
					FORMULA					FORMULA

	GARDCO MINI FORD DIP CUP						GARDCO STD. FORD DIP CUP			GARDCO/FISHER DIP CUP			
K	0.266	0.744	2.48	4.62	7.40	23.60	2.31	3.70	11.8	0.85	2.32	5.39	18.9
C	157	300	385	275	200	204	550	400	408	175	190	185	210
MIN. Cs	2	12	25	29	53	215	29	34	77	11	19	35	167
MAX. Cs	14	40	120	273	441	1413	273	441	1413	48	136	320	1125
STD. OIL	G6	G10	G35	G60	G60	G200	G60	G60	G200	G20	G35	G60	G200
TOLERANCE	4%	4%	4%	4%	4%	4%	3%	2%	3%	2%	2%	2%	2%
Cs/SEC.**	0.4	1.0	2.0	5.0	7.6	25.0	2.5	3.8	12.5	0.9	2.5	10.3	19.0
CENTI-STOKES	0	1	2	3	4	5	3	4	5	1	2	3	4
ITEM#	VI-3320	VI-3321	VI-3322	VI-3323	VI-3324	VI-3325	VI-3403	VI-3404	VI-3405	VI-5001	VI-5002	VI-5003	VI-5004
	FORMULA												
	(EFFLUX TIME IN SECONDS)						(EFFLUX TIME IN SECONDS)			(EFFLUX TIME IN SECONDS)			
7.5	42.2												
7.9	43.3												
8.3	44.5												
8.7	45.6												
9.1	46.8												
9.6	48.3												
10.0	49.5												
10.5	51.0									21.8			
11.1	52.9									22.3			
11.6	54.4	29.3								22.7			
12.2	56.3	29.9								23.2			
12.8	58.3	30.4								23.7			
13.5	60.5	31.1								24.3			
14.1		31.7								24.9			
14.8		32.4								25.5			
15.6		33.1								26.2			
16.4		33.9								26.9			
17.2		34.7								27.7			
18.0		35.5								28.4			
18.9		36.5								29.3			
19.9		37.5								30.2	14.3		
20.9		38.6								31.2	14.6		
21.9		39.6								32.2	14.9		
23.0		40.8								33.3	15.3		
24.2		42.1	18.3							34.4	15.7		
25.4		43.4	18.6							35.7	16.1		
26.7		44.9	19.0							37.0	16.5		
28.0		46.3	19.3	11.3			22.6			38.3	16.9		
29.4		47.9	19.7	11.5			23.1			39.8	17.4		
30.9		49.7	20.2	11.8			23.5			41.3	17.9		
32.4		51.4	20.6	12.0			24.0			42.9	18.4		
34.0		53.3	21.1	12.2			24.5			44.6	19.0		
35.7		55.3	21.6	12.5			25.0			46.4	19.6	10.0	
37.5		57.4	22.1	12.8			25.6			48.4	20.2	10.3	
39.4		59.7	22.7	13.1			26.2			50.4	20.9	10.6	
41.4		62.1	23.3	13.4			26.8			52.6	21.6	10.8	
43.4			24.0	13.7			27.5			54.8	22.4	11.1	
45.6			24.7	14.1			28.2			57.2	23.2	11.5	
47.9			25.4	14.5			29.0			59.8	24.1	11.8	
50.3			26.2	14.9			29.8			62.5	25.0	12.2	
52.8			27.0	15.3			30.6				25.9	12.5	
55.4			27.9	15.8	10.1		31.5	20.3			26.9	12.9	
58.2			28.8	16.3	10.5		32.5	20.9			28.0	13.4	
61.1			29.8	16.8	10.8		33.5	21.5			29.1	13.8	
64.2			30.9	17.3	11.1		34.7	22.2			30.4	14.3	
67.4			32.0	17.9	11.5		35.8	22.9			31.6	14.8	
70.8			33.2	18.5	11.8		37.1	23.7			33.0	15.4	
74.3			34.5	19.2	12.2		38.4	24.5			34.4	15.9	
78.0			35.8	19.9	12.7		39.8	25.3			35.9	16.5	
81.9			37.2	20.6	13.1		41.2	26.3	10.3		37.5	17.2	
86.0			38.7	21.4	13.6		42.8	27.2	10.6		39.2	17.9	
90.3			40.3	22.2	14.1		44.4	28.2	10.8		40.9	18.6	
94.8			41.9	23.1	14.7		46.2	29.3	11.1		42.8	19.4	
99.5			43.7	24.0	15.2		48.0	30.4	11.5		44.7	20.2	
104.5			45.5	25.0	15.8		50.0	31.7	11.8		46.8	21.0	
109.8			47.5	26.1	16.5		52.1	33.0	12.2		49.0	21.9	
115.2			49.6	27.1	17.1		54.3	34.3	12.5		51.3	22.9	
121.0			51.8	28.3	17.9		56.6	35.7	12.9		53.7	23.9	
127.1				29.5	18.6		59.1	37.3	13.4		56.2	25.0	
133.4				30.8	19.4		61.6	38.8	13.8		58.9	26.1	
140.1				32.2	20.3		64.3	40.5	14.3		61.7	27.3	
147.1				33.6	21.2		67.2	42.3	14.8			28.5	
154.4				35.1	22.1		70.2	44.2	15.3			29.8	
162.2				36.7	23.1		73.5	46.2	15.9			31.2	
170.3				38.4	24.1		76.8	48.3	16.5			32.6	10.1
178.8				40.2	25.2		80.4	50.5	17.2			34.2	10.5
187.7				42.0	26.4		84.1	52.8	17.8			35.8	10.9
197.1				44.0	27.6		88.0	55.2	18.6			37.5	11.4
207.0				46.1	28.9		92.2	57.8	19.3			39.3	11.9
217.3				48.3	30.3	10.1	96.5	60.5	20.1			41.1	12.4
228.2				50.6	31.7	10.5	101.1	63.4	21.0			43.1	12.9
239.6				53.0	33.2	10.9	106.0	66.4	21.9			45.2	13.5
251.6				55.5	34.8	11.4	111.1	69.6	22.8			47.4	14.1
264.1				58.2	36.4	11.9	116.4	72.9	23.8			49.7	14.7
277.3				61.0	38.2	12.4	122.0	76.4	24.9			52.1	15.4
291.2					40.0	13.0		80.1	26.0			54.7	16.1
305.8					42.0	13.6		83.9	27.2			57.3	16.8
321.1					44.0	14.2		88.0	28.4			60.1	17.6
337.1					46.1	14.9		92.3	29.7				18.4
354.0					48.4	15.6		96.8	31.1				19.3
371.7					50.8	16.3		101.5	32.6				20.2
390.2					53.2	17.0		106.5	34.1				21.2
409.7					55.8	17.8		111.7	35.7				22.2
430.2					58.6	18.7		117.2	37.4				23.2
451.7					61.5	19.6		123.0	39.2				24.4
474.3						20.5			41.0				25.5
498.1						21.5			43.0				26.8
523.0						22.5			45.1				28.1
549.1						23.6			47.3				29.4
576.6						24.8			49.6				30.9
605.4						26.0			52.0				32.4
635.7						27.3			54.5				34.0
667.4						28.6			57.2				35.6
700.8						30.0			60.0				37.4
735.8						31.5			62.9				39.2
772.6						33.0			66.0				41.1
811.3						34.6			69.3				43.2
851.8						36.3			72.7				45.3
894.4						38.1			76.3				47.6
939.1						40.0			80.0				49.9
986.1						42.0			84.0				52.4
1035.4						44.1			88.1				55.0
1087.2						46.3			92.5				57.7
1141.5						48.5			97.1				60.6
1198.6						51.0			101.9				
1258.5						53.5			107.0				
1321.5						56.1			112.3				
1387.5						58.9			117.9				
						FORMULA			FORMULA				

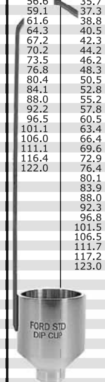


GARDCO EZ™

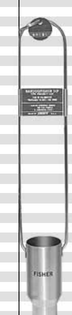


GARDCO S90/ZAHN

GARDCO MINI FORD DIP



GARDCO STANDARD FORD DIP



GARDCO FISHER DIP

*USE CONVERSIONS ONLY WITH GARDCO VISCOSITY CUPS HAVING CERTIFIED "K" AND "C" VALUES AS SHOWN.

**CUP MIDRANGE SENSITIVITY STATED IN CENTISTOKES PER EFFLUX SECOND.

GARDCO

2010
Revision Includes
46 Gardco Calibrated Viscosity Cups

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6TH REVISION 6/10-3M

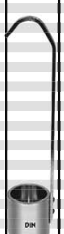
EQUIVALENT CHART

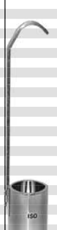
CUPS DESIGNED, MANUFACTURED AND SOLD BY

INCORPORATED (GARDCO)

OR $T = (V + \sqrt{V^2 + 4KC})/2K$ CENTISTOKES = CENTIPOISE/SPECIFIC GRAVITY

0.886	2.74	13.8	9.14	0.133	0.372	1.24	2.31	3.70	11.8	0.443	1.37	6.9	21.78	4.57	0.85	2.32	5.39	18.9	1.55	4.82	20.75	139	K
100	100	285	226	313	600	770	550	400	408	200	200	570	306	452	175	190	185	210	800	100	500	750	C
7	**35**	**142**	**69**	**2**	**12**	**25**	**29**	**34**	**77**	**5**	**19**	**84**	**187**	**38**	**11**	**19**	**35**	**167**	**7**	**117**	**498**	**3445**	**MIN. Cs**
42	**149**	**684**	**545**	**14**	**40**	**120**	**273**	**441**	**1413**	**52**	**163**	**823**	**2611**	**545**	**48**	**136**	**320**	**1125**	**165**	**582**	**2297**	**15408**	**MAX. Cs**
G10	**G35**	**G100**	**G100**	**G6**	**G10**	**G35**	**G60**	**G60**	**G200**	**G10**	**G35**	**G100**	**G350**	**G100**	**G20**	**G35**	**G60**	**G200**	**G35**	**G100**	**G350**	**GJ3000**	**STD. OIL**
3%	**3%**	**3%**	**3%**	**2%**	**2%**	**2%**	**2%**	**2%**	**2%**	**2%**	**2%**	**2%**	**3%**	**3%**	**2%**	**2%**	**2%**	**2%**	**3%**	**3%**	**3%**	**5%**	**TOLERANCE**
1.0	**2.8**	**14.2**	**9.4**	**0.2**	**0.5**	**1.0**	**2.5**	**3.8**	**12.5**	**0.5**	**1.4**	**7.1**	**22**	**4.7**	**0.9**	**2.5**	**10.3**	**19.0**	**1.6**	**4.8**	**20.6**	**138.9**	**Cs/SEC.****
GARDCO/ISO DIP CUP			**GARDCO DIN DIP**	**GARDCO STANDARD FORD CUP**						**GARDCO/ISO CUP**				**GARDCO DIN**	**GARDCO/FISHER STANDARD**				**GARDCO/PARLIN CUP**				**CENTI-STOKES**
3mm	**4mm**	**6mm**	**4mm**	**0**	**1**	**2**	**3**	**4**	**5**	**3mm**	**4mm**	**6mm**	**8mm**	**4mm**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	
VI-6023	VI-6024	VI-6026	VI-7024	VI-3300	VI-3301	VI-3302	VI-3303	VI-3304	VI-3305	VI-6003	VI-6004	VI-6006	VI-6008	VI-7004	VI-5021	VI-5022	VI-5023	VI-5024	VI-9002	VI-9004	VI-9006	VI-9008	
FORMULA				**FORMULA**						**FORMULA**									**FORMULA**				
(EFFLUX TIME IN SECONDS)				(EFFLUX TIME IN SECONDS)						(EFFLUX TIME IN SECONDS)					(EFFLUX TIME IN SECONDS)				(EFFLUX TIME IN SECONDS)				
15.7				84.3						31.3									25.3				7.5
16.0				86.6						32.0									25.4				7.9
16.3				88.9						32.6									25.6				8.3
16.6				91.2						33.2									25.7				8.7
16.9				93.6						33.9									25.8				9.1
17.3				96.6						34.7									26.0				9.6
17.7				99.0						35.3									26.2				10.0
18.1				102.0						36.2					21.8				26.4				10.5
18.6				105.7						37.2					22.3				26.6				11.1
19.0				108.8	58.7					38.1					22.7				26.8				11.6
19.5				112.6	59.8					39.1					23.2				27.0				12.2
20.1				116.4	60.9					40.1					23.7				27.2				12.8
20.7				121.0	62.2					41.4					24.3				27.5				13.5
21.2					63.4					42.5					24.9				27.7				14.1
21.9					64.7					43.7					25.5				28.0				14.8
22.6					66.3					45.2					26.2				28.3				15.6
23.3					67.9					46.7					26.9				28.6				16.4
24.1					69.5					48.2					27.7				28.9				17.2
24.9					71.1					49.7					28.4				29.3				18.0
25.7					72.9					51.4					29.3				29.6				18.9
26.7					75.0					53.4	21.4				30.2	14.3			30.0				19.9
27.7					77.1					55.3	21.9				31.2	14.6			30.4				20.9
28.7					79.2					57.3	22.5				32.2	14.9			30.9				21.9
29.8					81.6					59.5	23.1				33.3	15.3			31.3				23.0
31.0					84.2	36.5				61.9	23.8				34.4	15.7			31.8				24.2
32.2					86.9	37.2				64.4	24.5				35.7	16.1			32.3				25.4
33.5					89.7	37.9				67.0	25.3				37.0	16.5			32.9				26.7
34.8					92.7	38.6	22.6			69.7	26.0				38.3	16.9			33.5				28.0
36.3					95.9	39.5	23.1			72.6	26.9				39.8	17.4			34.1				29.4
37.9					99.3	40.3	23.5			75.7	27.8				41.3	17.9			34.8				30.9
39.4					102.8	41.2	24.0			78.9	28.7				42.9	18.4			35.5				32.4
41.1					106.5	42.2	24.5	16.0		82.2	29.7				44.6	19.0			36.2				34.0
42.9	15.4				110.6	43.2	25.0	16.3		85.8	30.8				46.4	19.6	10.0		37.0				35.7
44.8	16.0				114.9	44.3	25.6	16.6		89.7	31.9			14.9	48.4	20.2	10.3		37.8				37.5
46.9	16.6				119.4	45.4	26.2	17.0		93.8	33.2			15.1	50.4	20.9	10.6		38.7				39.4
49.0	17.2				124.3	46.7	26.8	17.4		98.1	34.5			15.5	52.6	21.6	10.8		39.7				41.4
	17.9					48.0	27.5	17.8		102.4	35.8			15.8	54.8	22.4	11.1		40.7				43.4
	18.6					49.4	28.2	18.2		107.1	37.2			16.1	57.2	23.2	11.5		41.8				45.6
	19.4					50.8	29.0	18.7		112.2	38.7			16.5	59.8	24.1	11.8		42.9				47.9
	20.2					52.4	29.8	19.2		117.4	40.3			16.9	62.5	25.0	12.2		44.1				50.3
	21.0					54.1	30.6	19.7		122.9	42.0			17.3		25.9	12.5		45.4				52.8
	21.9					55.8	31.5	20.3			43.8			17.7		26.9	12.9		46.8				55.4
	22.8					57.7	32.5	20.9			45.7			18.2		28.0	13.4		48.2				58.2
	23.8					59.7	33.5	21.5			47.7			18.7		29.1	13.8		49.8				61.1
	24.9					61.8	34.7	22.2			49.8			19.2		30.4	14.3		51.5				64.2
	26.0					64.0	35.8	22.9			52.0			19.8		31.6	14.8		53.2				67.4
	27.2		10.2			66.4	37.1	23.7			54.4			20.4		33.0	15.4		55.1				70.8
	28.4		10.5			68.9	38.4	24.5			56.8			21.0		34.4	15.9		57.0				74.3
	29.7		10.8			71.6	39.8	25.3			59.4			21.6		35.9	16.5		59.1				78.0
	31.1		11.2			74.4	41.2	26.3	10.3		62.1			22.3		37.5	17.2		61.3				81.9
	32.5		11.6			77.4	42.8	27.2	10.6		65.0	17.3		23.1		39.2	17.9		63.6				86.0
	34.0		11.9			80.5	44.4	28.2	10.8		68.1	17.7		23.9		40.9	18.6		66.1				90.3
	35.6		12.4			83.9	46.2	29.3	11.1		71.2	18.3		24.7		42.8	19.4		68.7				94.8
	37.3		12.8			87.4	48.0	30.4	11.5		74.6	18.8		25.6		44.7	20.2		71.4				99.5
	39.1		13.3			91.1	50.0	31.7	11.8		78.1	19.4		26.6		46.8	21.0		74.4				104.5
	41.0		13.8			95.1	52.1	33.0	12.2		81.9	20.0		27.6		49.0	21.9		77.5				109.8
	42.9		14.3			99.2	54.3	34.3	12.5		85.8	20.7		28.7		51.3	22.9		80.7	24.7			115.2
	45.0		14.9			103.6	56.6	35.7	12.9		89.9	21.4		29.8		53.7	23.9		84.2	25.9			121.0
	47.2		15.5				59.1	37.3	13.4		94.3	22.1		31.0		56.2	25.0		87.9	27.1			127.1
	49.4		16.1				61.6	38.8	13.8		98.8	22.9		32.3		58.9	26.1		91.7	28.4			133.4
	51.8		16.8				64.3	40.5	14.3		103.7	23.8		33.6		61.7	27.3		95.8	29.8			140.1
	54.4	12.3	17.5				67.2	42.3	14.8		108.7	24.7		35.0			28.5		100.1	31.2			147.1
		12.8	18.2				70.2	44.2	15.3		114.0	25.6		36.5			29.8		104.5	32.7			154.4
		13.3	19.0				73.5	46.2	15.9		119.6	26.6		38.1			31.2		109.4	34.3			162.2
		13.8	19.9				76.8	48.3	16.5		125.5	27.7		39.8			32.6	10.1		35.9			170.3
		14.4	20.8				80.4	50.5	17.2			28.8		41.5			34.2	10.5		37.6			178.8
		15.0	21.7				84.1	52.8	17.8			30.0	10.0	43.4			35.8	10.9		39.5			187.7
		15.6	22.7				88.0	55.2	18.6			31.2	10.4	45.3			37.5	11.4		41.4			197.1
		16.3	23.7				92.2	57.8	19.3			32.5	10.8	47.4			39.3	11.9		43.4			207.0
		17.0	24.8				96.5	60.5	20.1			33.9	11.2	49.5			41.1	12.4		45.5			217.3
		17.7	25.9				101.1	63.4	21.0			35.4	11.7	51.8			43.1	12.9		47.8			228.2
		18.5	27.1				106.0	66.4	21.9			37.0	12.2	54.3			45.2	13.5		50.1			239.6
		19.3	28.4				111.1	69.6	22.8			38.6	12.7	56.8			47.4	14.1		52.6			251.6
		20.2	29.7				116.4	72.9	23.8			40.3	13.2	59.5			49.7	14.7		55.2			264.1
		21.1	31.1				122.0	76.4	24.9			42.1	13.8	62.3			52.1	15.4		57.9			277.3
		22.0	32.6					80.1	26.0			44.1	14.3	65.2			54.7	16.1		60.8			291.2
		23.1	34.2					83.9	27.2			46.1	15.0	68.4			57.3	16.8		63.8			305.8
		24.1	35.8					88.0	28.4			48.2	15.6	71.6			60.1	17.6		66.9		***CUP #4**	321.1
		25.2	37.5					92.3	29.7			50.5	16.3	75.1				18.4		70.2		**OFF**	337.1
		26.4	39.4					96.8	31.1			52.9	17.1	78.7				19.3		73.7		**CHART**	354.0
		27.7	41.3					101.5	32.6			55.4	17.9	82.5				20.2		77.4			371.7
		29.0	43.3					106.5	34.1			58.0	18.7	86.5				21.2		81.2			390.2
		30.4	45.4					111.7	35.7			60.7	19.5	90.7				22.2		85.2			409.7
		31.8	47.6					117.2	37.4			63.6	20.4	95.2				23.2		89.5		**USE**	430.2
		33.4	49.9						39.2			66.7	21.4	99.8				24.4		93.9		**FORMULA**	451.7
		35.0	52.4						41.0			69.9	22.4	104.7				25.5		98.6			474.3
		36.7	54.9						43.0			73.3	23.5	109.9				26.8		103.5	25.0		498.1
		38.4	57.6						45.1			76.9	24.6	115.3				28.1		108.7	26.1		523.0
		40.3	60.5						47.3			80.6	25.8	121.0				29.4		114.1	27.3		549.1
		42.3							49.6			84.5	27.0					30.9		119.8	28.6		576.6
		44.3							52.0			88.7	28.3					32.4		125.8	30.0		605.4
		46.5							54.5			93.0	29.7					34.0			31.4		635.7
		48.8							57.2			97.6	31.1					35.6			32.9		667.4
									60.0			102.4	32.6					37.4			34.5		700.8
									62.9			107.4	34.2					39.2			36.1		735.8
									66.0			112.7	35.9					41.1			37.9		772.6
									69.3			118.3	37.6					43.2			39.7		811.3
									72.7			124.1	39.5					45.3			41.6		851.8
									76.3				41.4					47.6			43.7		894.4
									80.0				43.4					49.9			45.8		939.1
									84.0				45.6					52.4			48.0		986.1
									88.1				47.8					55.0			50.4		1035.4
									92.5				50.2					57.7			52.9		1087.2
									97.1				52.7					60.6			55.4		1141.5
									101.9				55.3								58.2		1198.6
									107.0				58.0								61.0		1258.5
									112.3				60.9								64.1		1321.5
									117.9				63.9								67.2		1387.5
									FORMULA				**FORMULA**								**FORMULA**	**FORMULA**	





***FORMULA – USE FORMULA TO CONVERT VALUES BEYOND CHART LIMITS**

Made in the U.S.A. - Developed by Maynard R. Euverard, Physicist, 1989

2010 Revised Gardco Calibrated Viscosity Cup Equivalent Chart CAT. #VI-VCC-6 •