TEMPERATURE CORRECTION For SPECIFIC GRAVITIES Of AROCLORS

Temp. °C	1142-1242 1148-1248	1154- 1254	1160-1260 1162-1262	Temp. °C	1160-1260 1152-1262	5060 5460	2565 4065 4465	Temp. °C	5060 5460	2565 4065 4465
	*65/15.5°	65/15.5	90/15.5		*90/15.5	90/15.5	90/15.5		*90/15.5	90/15.5
	** .0009	.00095	.0010		**.0010	.00095	.00105		**.00095	.00105
6	=.005	=.005		121	± .031	±.029	.039	161	±.061	±.075
1	-.004	-.004		2	.032	.030	.034	2	.068	.076
2	-.003	-.003		3	.033	.031	.035	3	.069	077
3	-.002	-.002		4	.034	.032	.036	4	.070	078
4	-.001	-.001		5	.035	.033	.037	5	.071	.079
5	*.000	*.000		6	.036	.034	.038	6	.072	080
6	±.001	±.001		7	.037	.035	.039	7	.073	.081
7	±.002	±.002		8	.038	.036	.040	8	.074	.082
8	±.003	±.003		9	.039	.037	.041	9	.075	.083
9	±.004	±.004		130	± .040	±.038	±.042	170	±.076	±.084
10	±.005	±.005		1	.041	.039	.043	1	.077	.085
1	.005	.006		2	.042	.039	.044	2	.078	.086
2	.006	.007		3	.043	.041	.045	3	.079	.087
3	.007	.008		4	.044	.042	.046	4	.080	.088
4	.008	.009		5	.045	.043	.047	5	.081	.089
5	.009	.010	=.015	6	.046	.044	.048	6	.082	.090
6	.010	.010	=.014	7	.047	.045	.049	7	.083	.091
7	.011	.011	=.013	8	.048	.046	.050	8	.084	.092
8	.012	.012	=.012	9	.049	.047	.051	9	.085	.093
9	.013	.013	=.011	140	± .050	±.048	.052	180	±.085	±.094
20	±.014	±.014	=.010	1	.051	.048	.054	1	.086	.095
1	.014	.015	=.009	2	.052	.049	.055	2	.087	.097
2	.015	.016	=.008	3	.053	.050	.056	3	.088	.098
3	.016	.017	=.007	4	.054	.051	.057	4	.089	.099
4	.017	.018	=.006	5	.055	.052	.058	5	.090	.100
5	.018	.019	=.005	6	.056	.053	.059	6	.091	.101
6	.019	.020	=.004	7	.057	.054	.060	7	.092	.102
7	.020	.021	=.003	8	.058	.055	.061	8	.093	.103
8	.021	.022	=.002	9	.059	.056	.062	9	.094	.104
9	.022	.023	=.001	150	± .060	±.057	±.063	190	±.095	±.105
30	±.023	±.024	*.000	1	.061	.058	.064	1	.096	.106
1	.024	.025	±.001	2	.062	.059	.065	2	.097	.107
2	.025	.026	±.002	3	.063	.060	.066	3	.098	=.106
3	.026	.027	±.003	4	.064	.061	.067	4	.099	=.105
4	.027	.028	±.004	5	.065	.062	.068	5	.100	=.104
5	.028	.029	±.005	6	.066	.063	.069	6	.101	=.103
6	.029	.030	.006	7	.067	.064	.070	7	.102	=.102
7	.030	.031	.008	8	.068	.065	.071	8	.103	=.101
8	.031	.032	.009	9	.069	.066	.072	9	.104	=.100
9	±.032	±.033	±.010	160	± .070	±.067	±.073	200	±.105	±.099
40	.032	.034	.011							
1	.033	.035	.012							
2	.034	.036	.013							
3	.035	.037	.014							
4	.036	.038	.015							
5	.037	.039	.016							
6	.038	.040	.017							
7	.039	.041	.018							
8	.040	.042	.019							
9	±.041	±.043	±.020							
50	.041	.044	.021							
1	.042	.045	.022							
2	.043	.046	.023							
3	.044	.047	.024							
4	.045	.048	.025							
5	±.046	.048	.026							
6	.047	.049	.027							
7	.048	.050	.028							
8	.049	.051	.029							
9	±.050	±.052	±.030							

NOTES:

* The base temperature at which the specific gravity is determined or referred to (65°/15.5 and 90°/15.5)

** Specific Gravity corrections per °C from Plant "B" specifications with the exceptions of 5060, 4465 and 2565 which were calculated from the specific gravities of one sample of each at two or three different temperatures.

= The double line across a column indicates the maximum or minimum temperature for which the Specific Gravity correction was experimentally determined. For accurate work the specific gravity should be taken at a temperature within or between these double lines.

Example:

Sp.Gr. of sample at 115°		
Sp.Gr. of sample at 110°C	=	1.460
Sp.Gr. correction	=	-.042
Sp.Gr. at 65°C	=	1.502

12-3-41
D.A.Roper

DSW 330554

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