

# UNITED STATES DEPARTMENT OF COMMERCE

DANIEL C. ROPER, Secretary

## NATIONAL BUREAU OF STANDARDS

LYMAN J. BRIGGS, Director

### REVISED SUPPLEMENT TO NBS CIRCULAR C154

[Issued September 17, 1934]

## ABRIDGED VOLUME CORRECTION TABLE FOR PETROLEUM OILS

[Approved by American Petroleum Institute, American Society for Testing Materials, U.S. Bureau of Mines, and National Bureau of Standards. For complete table, see table 2, NBS Circular C154.]

The table of reduction factors contained herein has been prepared to meet a demand from the oil industry for a short and convenient table for reducing oil volumes to the basis of 60° F when extreme accuracy is not required. It is not intended to replace the more complete volume correction table contained in Circular C154, but rather to supplement it and especially to replace the various abridged tables heretofore employed in the oil industry.

This abridged table includes all of the groups appearing in the original supplement and, in addition, two new groups. The values for group 0 are based on table 1 of NBS Miscellaneous Publication M97, and the values for group 7 are based on Circular C154. This extension of the original abridged table has been rendered necessary by the growing importance of very heavy and very light petroleum products.

The groups, coefficients of expansion, degrees API, and gravity ranges for the several subdivisions of the present abridged table follow:

Group number	Coefficient of expansion at 60° F	Corresponding degrees API	Range of group (degrees API at 60° F)
0	0.00035	-----	Up to 14.9.
1	.00040	22	15.0 to 34.9.
2	.00050	44	35.0 to 50.9.
3*	.00060	58	51.0 to 63.9.
4	.00070	72	64.0 to 78.9.
5	.00080	86	79.0 to 88.9.
6	.00085	91	89.0 to 93.9.
7	.00090	97	94.0 to 99.9.

\* All motor fuel blends of gasoline and benzol shall be considered as falling in group 3. In cases of uncertainty regarding the presence of benzol, a product having a gravity heavier (numerically less) than 51° API and a 50 percent recovery point less than 293° F (145° C) shall be considered as falling in group 3.

This table shows the volume occupied at 60° F by a quantity of oil occupying unit volume at the indicated temperatures.

The columns showing temperatures in degrees Fahrenheit carry the heading t. The columns of multipliers which are actually

$$\frac{\text{volume at } 60^{\circ} \text{ F}}{\text{volume at } t}$$

carry the heading M.

## Group 0 (up to 14.9° API)

(t=temperature in degrees F; M=multipliers)

t	M	t	M	t	M	t	M	t	M
0	1.0205	50	1.0034	100	0.9864	150	0.9695	200	0.9527
1	1.0202	51	1.0031	101	.9860	151	.9691	201	.9523
2	1.0198	52	1.0027	102	.9857	152	.9688	202	.9520
3	1.0195	53	1.0024	103	.9854	153	.9684	203	.9516
4	1.0191	54	1.0020	104	.9850	154	.9681	204	.9513
5	1.0188	55	1.0017	105	.9847	155	.9678	205	.9510
6	1.0185	56	1.0014	106	.9844	156	.9674	206	.9506
7	1.0181	57	1.0010	107	.9840	157	.9671	207	.9503
8	1.0178	58	1.0007	108	.9837	158	.9668	208	.9500
9	1.0174	59	1.0003	109	.9833	159	.9664	209	.9496
10	1.0171	60	1.0000	110	.9830	160	.9661	210	.9493
11	1.0167	61	.9997	111	.9827	161	.9658	211	.9490
12	1.0164	62	.9993	112	.9823	162	.9654	212	.9486
13	1.0161	63	.9990	113	.9820	163	.9651	213	.9483
14	1.0157	64	.9986	114	.9816	164	.9647	214	.9480
15	1.0154	65	.9983	115	.9813	165	.9644	215	.9476
16	1.0150	66	.9980	116	.9810	166	.9641	216	.9473
17	1.0147	67	.9976	117	.9806	167	.9637	217	.9470
18	1.0143	68	.9973	118	.9803	168	.9634	218	.9466
19	1.0140	69	.9969	119	.9799	169	.9631	219	.9463
20	1.0137	70	.9966	120	.9796	170	.9627	220	.9460
21	1.0133	71	.9963	121	.9793	171	.9624	221	.9456
22	1.0130	72	.9959	122	.9789	172	.9620	222	.9453
23	1.0126	73	.9956	123	.9786	173	.9617	223	.9450
24	1.0123	74	.9952	124	.9783	174	.9614	224	.9446
25	1.0120	75	.9949	125	.9779	175	.9610	225	.9443
26	1.0116	76	.9945	126	.9776	176	.9607	226	.9440
27	1.0113	77	.9942	127	.9772	177	.9604	227	.9436
28	1.0109	78	.9939	128	.9769	178	.9600	228	.9433
29	1.0106	79	.9935	129	.9766	179	.9597	229	.9430
30	1.0102	80	.9932	130	.9762	180	.9594	230	.9426
31	1.0099	81	.9928	131	.9759	181	.9590	231	.9423
32	1.0095	82	.9925	132	.9755	182	.9587	232	.9420
33	1.0092	83	.9922	133	.9752	183	.9584	233	.9416
34	1.0089	84	.9918	134	.9749	184	.9580	234	.9413
35	1.0085	85	.9915	135	.9745	185	.9577	235	.9410
36	1.0082	86	.9912	136	.9742	186	.9573	236	.9406
37	1.0079	87	.9908	137	.9739	187	.9570	237	.9403
38	1.0075	88	.9905	138	.9735	188	.9567	238	.9400
39	1.0072	89	.9901	139	.9732	189	.9563	239	.9396
40	1.0068	90	.9898	140	.9728	190	.9560	240	.9393
41	1.0065	91	.9894	141	.9725	191	.9557	241	.9390
42	1.0061	92	.9891	142	.9722	192	.9553	242	.9386
43	1.0058	93	.9888	143	.9718	193	.9550	243	.9383
44	1.0054	94	.9884	144	.9715	194	.9547	244	.9380
45	1.0051	95	.9881	145	.9711	195	.9543	245	.9376
46	1.0048	96	.9878	146	.9708	196	.9540	246	.9373
47	1.0044	97	.9874	147	.9705	197	.9537	247	.9370
48	1.0041	98	.9871	148	.9701	198	.9533	248	.9367
49	1.0038	99	.9867	149	.9698	199	.9530	249	.9363

*Group 0 (up to 14.9° API)*

(t=temperature in degrees F; M=multipliers)

t	M	t	M	t	M	t	M	t	M
250	0.9360	300	0.9195	350	0.9031	400	0.8869	450	0.8709
251	.9356	301	.9191	351	.9028	401	.8866	451	.8706
252	.9353	302	.9188	352	.9025	402	.8863	452	.8703
253	.9350	303	.9185	353	.9021	403	.8860	453	.8700
254	.9347	304	.9181	354	.9018	404	.8856	454	.8697
255	.9343	305	.9178	355	.9015	405	.8853	455	.8693
256	.9340	306	.9175	356	.9012	406	.8850	456	.8690
257	.9337	307	.9172	357	.9008	407	.8847	457	.8687
258	.9333	308	.9168	358	.9005	408	.8843	458	.8684
259	.9330	309	.9165	359	.9002	409	.8840	459	.8681
260	.9327	310	.9162	360	.8999	410	.8837	460	.8678
261	.9323	311	.9158	361	.8995	411	.8834	461	.8674
262	.9320	312	.9155	362	.8992	412	.8831	462	.8671
263	.9317	313	.9152	363	.8989	413	.8827	463	.8668
264	.9313	314	.9149	364	.8986	414	.8824	464	.8665
265	.9310	315	.9145	365	.8982	415	.8821	465	.8662
266	.9307	316	.9142	366	.8979	416	.8818	466	.8659
267	.9303	317	.9139	367	.8976	417	.8815	467	.8655
268	.9300	318	.9135	368	.8973	418	.8811	468	.8652
269	.9297	319	.9132	369	.8969	419	.8808	469	.8649
270	.9294	320	.9129	370	.8966	420	.8805	470	.8646
271	.9290	321	.9126	371	.8963	421	.8802	471	.8643
272	.9287	322	.9122	372	.8960	422	.8799	472	.8640
273	.9284	323	.9119	373	.8956	423	.8795	473	.8636
274	.9280	324	.9116	374	.8953	424	.8792	474	.8633
275	.9277	325	.9113	375	.8950	425	.8789	475	.8630
276	.9274	326	.9109	376	.8947	426	.8786	476	.8627
277	.9270	327	.9106	377	.8943	427	.8783	477	.8624
278	.9267	328	.9103	378	.8940	428	.8779	478	.8621
279	.9264	329	.9099	379	.8937	429	.8776	479	.8617
280	.9260	330	.9096	380	.8934	430	.8773	480	.8614
281	.9257	331	.9093	381	.8930	431	.8770	481	.8611
282	.9254	332	.9090	382	.8927	432	.8767	482	.8608
283	.9251	333	.9086	383	.8924	433	.8763	483	.8605
284	.9247	334	.9083	384	.8921	434	.8760	484	.8602
285	.9244	335	.9080	385	.8918	435	.8757	485	.8599
286	.9241	336	.9077	386	.8914	436	.8754	486	.8595
287	.9237	337	.9073	387	.8911	437	.8751	487	.8592
288	.9234	338	.9070	388	.8908	438	.8747	488	.8589
289	.9231	339	.9067	389	.8905	439	.8744	489	.8586
290	.9228	340	.9064	390	.8901	440	.8741	490	.8583
291	.9224	341	.9060	391	.8898	441	.8738	491	.8580
292	.9221	342	.9057	392	.8895	442	.8735	492	.8577
293	.9218	343	.9054	393	.8892	443	.8732	493	.8573
294	.9214	344	.9051	394	.8888	444	.8728	494	.8570
295	.9211	345	.9047	395	.8885	445	.8725	495	.8567
296	.9208	346	.9044	396	.8882	446	.8722	496	.8564
297	.9204	347	.9041	397	.8879	447	.8719	497	.8561
298	.9201	348	.9038	398	.8876	448	.8716	498	.8558
299	.9198	349	.9034	399	.8872	449	.8712	499	.8555

## Group 1 (15.0 to 34.9° API)

(t=temperature in degrees F; M=multipliers)

t	M	t	M	t	M	M	t	M	
0	1.0242	50	1.0040	100	0.9841	150	0.9647	200	0.9457
1	1.0238	51	1.0036	101	.9837	151	.9643	201	.9453
2	1.0234	52	1.0032	102	.9833	152	.9639	202	.9449
3	1.0230	53	1.0028	103	.9830	153	.9636	203	.9446
4	1.0226	54	1.0024	104	.9826	154	.9632	204	.9442
5	1.0222	55	1.0020	105	.9822	155	.9628	205	.9438
6	1.0218	56	1.0016	106	.9818	156	.9624	206	.9434
7	1.0214	57	1.0012	107	.9814	157	.9620	207	.9430
8	1.0210	58	1.0008	108	.9811	158	.9616	208	.9427
9	1.0206	59	1.0004	109	.9807	159	.9612	209	.9423
10	1.0202	60	1.0000	110	.9803	160	.9608	210	.9419
11	1.0198	61	0.9996	111	.9799	161	.9604	211	.9415
12	1.0194	62	.9992	112	.9795	162	.9601	212	.9412
13	1.0189	63	.9988	113	.9791	163	.9597	213	.9408
14	1.0185	64	.9984	114	.9787	164	.9594	214	.9405
15	1.0181	65	.9980	115	.9783	165	.9590	215	.9401
16	1.0177	66	.9976	116	.9778	166	.9586	216	.9397
17	1.0173	67	.9972	117	.9775	167	.9582	217	.9393
18	1.0169	68	.9968	118	.9771	168	.9578	218	.9390
19	1.0165	69	.9964	119	.9767	169	.9574	219	.9386
20	1.0161	70	.9960	120	.9763	170	.9570	220	.9382
21	1.0157	71	.9956	121	.9759	171	.9566	221	.9378
22	1.0153	72	.9952	122	.9755	172	.9562	222	.9374
23	1.0148	73	.9948	123	.9752	173	.9559	223	.9371
24	1.0144	74	.9944	124	.9748	174	.9555	224	.9367
25	1.0140	75	.9940	125	.9744	175	.9551	225	.9363
26	1.0136	76	.9936	126	.9740	176	.9547	226	.9359
27	1.0132	77	.9932	127	.9736	177	.9543	227	.9356
28	1.0128	78	.9929	128	.9732	178	.9540	228	.9352
29	1.0124	79	.9925	129	.9728	179	.9536	229	.9349
30	1.0120	80	.9921	130	.9724	180	.9532	230	.9345
31	1.0116	81	.9917	131	.9720	181	.9528	231	.9341
32	1.0112	82	.9913	132	.9716	182	.9524	232	.9337
33	1.0108	83	.9909	133	.9713	183	.9521	233	.9334
34	1.0104	84	.9905	134	.9709	184	.9517	234	.9330
35	1.0100	85	.9901	135	.9705	185	.9513	235	.9326
36	1.0096	86	.9897	136	.9701	186	.9509	236	.9322
37	1.0092	87	.9893	137	.9697	187	.9505	237	.9318
38	1.0088	88	.9889	138	.9694	188	.9502	238	.9315
39	1.0084	89	.9885	139	.9690	189	.9498	239	.9311
40	1.0080	90	.9881	140	.9686	190	.9494	240	.9307
41	1.0076	91	.9877	141	.9682	191	.9490	241	.9303
42	1.0072	92	.9873	142	.9678	192	.9487	242	.9300
43	1.0068	93	.9869	143	.9675	193	.9483	243	.9296
44	1.0064	94	.9865	144	.9671	194	.9480	244	.9293
45	1.0060	95	.9861	145	.9667	195	.9476	245	.9289
46	1.0056	96	.9857	146	.9663	196	.9472	246	.9285
47	1.0052	97	.9853	147	.9659	197	.9468	247	.9281
48	1.0048	98	.9849	148	.9655	198	.9465	248	.9278
49	1.0044	99	.9845	149	.9651	199	.9461	249	.9274

## Group 2 (35.0 to 50.9° API)

(t=temperature in degrees F; M=multipliers)

t	M	t	M	t	M
0	1.0297	50	1.0049	100	0.9802
1	1.0292	51	1.0044	101	.9797
2	1.0287	52	1.0039	102	.9792
3	1.0283	53	1.0035	103	.9786
4	1.0278	54	1.0030	104	.9781
5	1.0273	55	1.0025	105	.9776
6	1.0268	56	1.0020	106	.9771
7	1.0263	57	1.0015	107	.9766
8	1.0258	58	1.0010	108	.9762
9	1.0253	59	1.0005	109	.9757
10	1.0248	60	1.0000	110	.9752
11	1.0243	61	0.9995	111	.9747
12	1.0238	62	.9990	112	.9742
13	1.0233	63	.9985	113	.9737
14	1.0228	64	.9980	114	.9732
15	1.0223	65	.9975	115	.9727
16	1.0218	66	.9970	116	.9722
17	1.0213	67	.9965	117	.9717
18	1.0208	68	.9961	118	.9712
19	1.0203	69	.9956	119	.9707
20	1.0198	70	.9951	120	.9702
21	1.0193	71	.9946	121	.9697
22	1.0188	72	.9941	122	.9692
23	1.0184	73	.9935	123	.9687
24	1.0179	74	.9930	124	.9682
25	1.0174	75	.9925	125	.9677
26	1.0169	76	.9920	126	.9672
27	1.0164	77	.9915	127	.9667
28	1.0159	78	.9911	128	.9662
29	1.0154	79	.9906	129	.9657
30	1.0149	80	.9901	130	.9652
31	1.0144	81	.9896	131	.9647
32	1.0139	82	.9891	132	.9642
33	1.0134	83	.9886	133	.9637
34	1.0129	84	.9881	134	.9632
35	1.0124	85	.9876	135	.9627
36	1.0119	86	.9871	136	.9622
37	1.0114	87	.9866	137	.9617
38	1.0109	88	.9861	138	.9613
39	1.0104	89	.9856	139	.9608
40	1.0099	90	.9851	140	.9603
41	1.0094	91	.9846	141	.9598
42	1.0089	92	.9841	142	.9593
43	1.0084	93	.9836	143	.9588
44	1.0079	94	.9831	144	.9583
45	1.0074	95	.9826	145	.9578
46	1.0069	96	.9821	146	.9573
47	1.0064	97	.9816	147	.9568
48	1.0059	98	.9812	148	.9563
49	1.0054	99	.9807	149	.9558

## Group 3 (51.0 to 63.9° API)

(t=temperature in degrees F; M=multipliers)

t	M	t	M	t	M	t	M	t	M
0	1.0361	25	1.0211	50	1.0060	75	0.9909	100	0.9757
1	1.0355	26	1.0205	51	1.0054	76	.9903	101	.9751
2	1.0349	27	1.0199	52	1.0048	77	.9897	102	.9745
3	1.0343	28	1.0193	53	1.0042	78	.9891	103	.9738
4	1.0337	29	1.0187	54	1.0036	79	.9885	104	.9732
5	1.0331	30	1.0181	55	1.0030	80	.9879	105	.9726
6	1.0325	31	1.0175	56	1.0024	81	.9873	106	.9720
7	1.0319	32	1.0169	57	1.0018	82	.9867	107	.9714
8	1.0313	33	1.0163	58	1.0012	83	.9860	108	.9708
9	1.0307	34	1.0157	59	1.0006	84	.9854	109	.9702
10	1.0301	35	1.0151	60	1.0000	85	.9848	110	.9696
11	1.0295	36	1.0145	61	0.9994	86	.9842	111	.9690
12	1.0289	37	1.0139	62	.9988	87	.9836	112	.9684
13	1.0283	38	1.0133	63	.9982	88	.9830	113	.9678
14	1.0277	39	1.0127	64	.9976	89	.9824	114	.9672
15	1.0271	40	1.0121	65	.9970	90	.9818	115	.9666
16	1.0265	41	1.0115	66	.9964	91	.9812	116	.9660
17	1.0259	42	1.0109	67	.9957	92	.9806	117	.9654
18	1.0253	43	1.0103	68	.9951	93	.9800	118	.9647
19	1.0247	44	1.0097	69	.9945	94	.9794	119	.9641
20	1.0241	45	1.0091	70	.9939	95	.9788	120	.9635
21	1.0235	46	1.0085	71	.9933	96	.9782	121	.9629
22	1.0229	47	1.0079	72	.9927	97	.9776	122	.9623
23	1.0223	48	1.0072	73	.9921	98	.9769	123	.9617
24	1.0217	49	1.0066	74	.9915	99	.9763	124	.9611

## Group 4 (64.0 to 78.9° API)

(t=temperature in degrees F; M=multipliers)

t	M	t	M	t	M	t	M
0	1.0419	25	1.0246	50	1.0070	75	0.9894
1	1.0412	26	1.0239	51	1.0063	76	.9887
2	1.0405	27	1.0232	52	1.0056	77	.9880
3	1.0398	28	1.0225	53	1.0049	78	.9872
4	1.0391	29	1.0218	54	1.0042	79	.9865
5	1.0384	30	1.0211	55	1.0035	80	.9858
6	1.0377	31	1.0204	56	1.0028	81	.9851
7	1.0370	32	1.0197	57	1.0021	82	.9844
8	1.0364	33	1.0190	58	1.0014	83	.9837
9	1.0357	34	1.0183	59	1.0007	84	.9830
10	1.0350	35	1.0176	60	1.0000	85	.9823
11	1.0343	36	1.0169	61	0.9993	86	.9816
12	1.0336	37	1.0162	62	.9986	87	.9809
13	1.0329	38	1.0155	63	.9979	88	.9802
14	1.0322	39	1.0148	64	.9972	89	.9795
15	1.0315	40	1.0141	65	.9965	90	.9788
16	1.0308	41	1.0134	66	.9958	91	.9780
17	1.0301	42	1.0127	67	.9951	92	.9773
18	1.0294	43	1.0120	68	.9943	93	.9766
19	1.0287	44	1.0113	69	.9936	94	.9759
20	1.0280	45	1.0106	70	.9929	95	.9752
21	1.0273	46	1.0099	71	.9922	96	.9745
22	1.0266	47	1.0092	72	.9915	97	.9738
23	1.0260	48	1.0084	73	.9908	98	.9731
24	1.0253	49	1.0077	74	.9901	99	.9723

## Group 5 (79.0 to 88.9° API)

(t=temperature in degrees F; M=multipliers)

t	M	t	M	t	M	t	M
0	1.0476	25	1.0280	50	1.0080	75	0.9879
1	1.0468	26	1.0272	51	1.0072	76	.9871
2	1.0460	27	1.0264	52	1.0064	77	.9863
3	1.0453	28	1.0256	53	1.0056	78	.9854
4	1.0445	29	1.0248	54	1.0048	79	.9846
5	1.0437	30	1.0240	55	1.0040	80	.9838
6	1.0429	31	1.0232	56	1.0032	81	.9830
7	1.0421	32	1.0224	57	1.0024	82	.9822
8	1.0414	33	1.0216	58	1.0016	83	.9814
9	1.0406	34	1.0208	59	1.0008	84	.9806
10	1.0398	35	1.0200	60	1.0000	85	.9798
11	1.0390	36	1.0192	61	0.9992	86	.9790
12	1.0382	37	1.0184	62	.9984	87	.9782
13	1.0375	38	1.0176	63	.9976	88	.9773
14	1.0367	39	1.0168	64	.9968	89	.9765
15	1.0359	40	1.0160	65	.9960	90	.9757
16	1.0351	41	1.0152	66	.9952	91	.9749
17	1.0343	42	1.0144	67	.9944	92	.9741
18	1.0335	43	1.0136	68	.9935	93	.9733
19	1.0327	44	1.0128	69	.9927	94	.9725
20	1.0319	45	1.0120	70	.9919	95	.9717
21	1.0311	46	1.0112	71	.9911	96	.9709
22	1.0303	47	1.0104	72	.9903	97	.9700
23	1.0296	48	1.0096	73	.9895	98	.9692
24	1.0288	49	1.0088	74	.9887	99	.9684

## Group 6 (89.0 to 93.9° API)

(t=temperature in degrees F; M=multipliers)

t	M	t	M	t	M	t	M
0	1.0501	25	1.0294	50	1.0084	75	0.9873
1	1.0493	26	1.0286	51	1.0076	76	.9864
2	1.0484	27	1.0277	52	1.0067	77	.9856
3	1.0476	28	1.0269	53	1.0059	78	.9847
4	1.0467	29	1.0260	54	1.0050	79	.9839
5	1.0459	30	1.0252	55	1.0042	80	.9830
6	1.0451	31	1.0244	56	1.0034	81	.9821
7	1.0443	32	1.0236	57	1.0025	82	.9813
8	1.0434	33	1.0227	58	1.0017	83	.9804
9	1.0426	34	1.0219	59	1.0008	84	.9796
10	1.0418	35	1.0211	60	1.0000	85	.9787
11	1.0410	36	1.0203	61	0.9992	86	.9779
12	1.0402	37	1.0194	62	.9983	87	.9770
13	1.0393	38	1.0186	63	.9975	88	.9762
14	1.0385	39	1.0177	64	.9966	89	.9753
15	1.0377	40	1.0169	65	.9958	90	.9745
16	1.0369	41	1.0160	66	.9949	91	.9736
17	1.0360	42	1.0152	67	.9941	92	.9727
18	1.0352	43	1.0143	68	.9932	93	.9719
19	1.0343	44	1.0135	69	.9924	94	.9710
20	1.0335	45	1.0126	70	.9915	95	.9702
21	1.0327	46	1.0118	71	.9907	96	.9693
22	1.0319	47	1.0110	72	.9898	97	.9685
23	1.0310	48	1.0101	73	.9890	98	.9676
24	1.0302	49	1.0093	74	.9881	99	.9668

## Group 7 (94.0 to 99.9° API)

(t=temperature in degrees F; M=multipliers)

t	M	t	M	t	M	t	M
0	1.0531	25	1.0312	50	1.0090	75	0.9865
1	1.0522	26	1.0303	51	1.0081	76	.9856
2	1.0513	27	1.0294	52	1.0072	77	.9847
3	1.0505	28	1.0286	53	1.0063	78	.9838
4	1.0496	29	1.0277	54	1.0054	79	.9829
5	1.0487	30	1.0268	55	1.0045	80	.9820
6	1.0478	31	1.0259	56	1.0036	81	.9811
7	1.0470	32	1.0250	57	1.0027	82	.9802
8	1.0461	33	1.0242	58	1.0018	83	.9792
9	1.0453	34	1.0233	59	1.0009	84	.9783
10	1.0444	35	1.0224	60	1.0000	85	.9774
11	1.0435	36	1.0215	61	.9991	86	.9765
12	1.0426	37	1.0206	62	.9982	87	.9756
13	1.0418	38	1.0197	63	.9973	88	.9747
14	1.0409	39	1.0188	64	.9964	89	.9738
15	1.0400	40	1.0179	65	.9955	90	.9729
16	1.0391	41	1.0170	66	.9946	91	.9719
17	1.0382	42	1.0161	67	.9937	92	.9710
18	1.0374	43	1.0152	68	.9928	93	.9701
19	1.0365	44	1.0143	69	.9919	94	.9692
20	1.0356	45	1.0134	70	.9910	95	.9683
21	1.0347	46	1.0125	71	.9901	96	.9674
22	1.0338	47	1.0116	72	.9892	97	.9665
23	1.0330	48	1.0108	73	.9883	98	.9656
24	1.0321	49	1.0099	74	.9874	99	.9647

EXAMPLE.—The values given in the table are in the form of multipliers; that is, the volume of oil at the indicated temperature and degrees API for each group, multiplied by the corresponding factor in the table, equals the volume at 60° F. For example, if the degrees API of an oil at 60° F equals 58 (group 3) and the volume at 88° F equals 8,000 gallons, then the volume at 60° F equals 8,000×0.9830 or 7,864 gallons.





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