

D156

Saybolt Chromometer

ASTM D156, DIN 51411

This test method covers the determination of the colour of refined oils such as undyed motor and aviation gasoline, jet propulsion fuels, naphthas and kerosine, and, in addition, petroleum waxes and pharmaceutical white oils.

- Black structure supporting two glass tubes
Ø 17 × 22 mm, one of which graduated
- Optical glass disc
- 3 whole colour disc
- 1 half colour disc
- Cock
- Mirror located on a base
- Prismatic eyepiece

SAYBOLT CHROMOMETER COLOR CORRESPONDING TO DEPTHS OF OIL, WHITE OILS				
Number of Color Standard	Depth of Oil, in.	Color Number	Depth of Oil, in.	Color Number
One Half	20.00	1.00	1.00	4.0
One Half	18.00	1.25	1.25	4.5
One Half	16.00	1.50	1.50	5.0
One Half	14.00	1.75	1.75	5.5
One Half	12.00	2.00	2.00	6.0
One Half	10.00	2.25	2.25	6.5
One Half	8.00	2.50	2.50	7.0
One Half	6.00	2.75	2.75	7.5
One Half	4.00	3.00	3.00	8.0
One Half	2.00	3.25	3.25	8.5
One Half	1.00	3.50	3.50	9.0
One Half	0.50	3.75	3.75	9.5
One Half	0.25	4.00	4.00	10.0
One Half	0.125	4.25	4.25	10.5
One Half	0.0625	4.50	4.50	11.0
One Half	0.03125	4.75	4.75	11.5
One Half	0.015625	5.00	5.00	12.0
One Half	0.0078125	5.25	5.25	12.5
One Half	0.00390625	5.50	5.50	13.0
One Half	0.001953125	5.75	5.75	13.5
One Half	0.0009765625	6.00	6.00	14.0
One Half	0.00048828125	6.25	6.25	14.5
One Half	0.000244140625	6.50	6.50	15.0
One Half	0.0001220703125	6.75	6.75	15.5
One Half	0.00006103515625	7.00	7.00	16.0
One Half	0.000030517578125	7.25	7.25	16.5
One Half	0.0000152587890625	7.50	7.50	17.0
One Half	0.00000762939453125	7.75	7.75	17.5
One Half	0.000003814697265625	8.00	8.00	18.0
One Half	0.0000019073486328125	8.25	8.25	18.5
One Half	0.00000095367431640625	8.50	8.50	19.0
One Half	0.000000476837158203125	8.75	8.75	19.5
One Half	0.0000002384185791015625	9.00	9.00	20.0
One Half	0.00000011920928955078125	9.25	9.25	20.5
One Half	0.000000059604644775390625	9.50	9.50	21.0
One Half	0.0000000298023223876953125	9.75	9.75	21.5
One Half	0.00000001490116119384765625	10.00	10.00	22.0
One Half	0.000000007450580596923828125	10.25	10.25	22.5
One Half	0.0000000037252902984619140625	10.50	10.50	23.0
One Half	0.00000000186264514923095703125	10.75	10.75	23.5
One Half	0.000000000931322574615478515625	11.00	11.00	24.0
One Half	0.0000000004656612873077392578125	11.25	11.25	24.5
One Half	0.00000000023283064365386962890625	11.50	11.50	25.0
One Half	0.000000000116415321826934814453125	11.75	11.75	25.5
One Half	0.0000000000582076609134674072265625	12.00	12.00	26.0
One Half	0.00000000002910383045673370361328125	12.25	12.25	26.5
One Half	0.000000000014551915228366851806640625	12.50	12.50	27.0
One Half	0.0000000000072759576141834259033203125	12.75	12.75	27.5
One Half	0.00000000000363797880709171295166015625	13.00	13.00	28.0
One Half	0.000000000001818989403545856475830078125	13.25	13.25	28.5
One Half	0.0000000000009094947017729282379150390625	13.50	13.50	29.0
One Half	0.00000000000045474735088646141895751953125	13.75	13.75	29.5
One Half	0.000000000000227373675443230709478759765625	14.00	14.00	30.0
One Half	0.0000000000001136868377216153547393798828125	14.25	14.25	30.5
One Half	0.00000000000005684341886080767736968994140625	14.50	14.50	31.0
One Half	0.000000000000028421709430403838684844970703125	14.75	14.75	31.5
One Half	0.0000000000000142108547152019193424224853515625	15.00	15.00	32.0
One Half	0.000000000000007105427357600959671211244267578125	15.25	15.25	32.5
One Half	0.0000000000000035527136788004798356056221337890625	15.50	15.50	33.0
One Half	0.0000000000000017763568394002399178028110968953125	15.75	15.75	33.5
One Half	0.00000000000000088817841970011995890140554844265625	16.00	16.00	34.0
One Half	0.000000000000000444089209850059979450702774221328125	16.25	16.25	34.5
One Half	0.0000000000000002220446049250299897253513871106640625	16.50	16.50	35.0
One Half	0.00000000000000011102230246251499486267569355533203125	16.75	16.75	35.5
One Half	0.000000000000000055511151231257497431337846777666015625	17.00	17.00	36.0
One Half	0.0000000000000000277555756156287487156689233888330078125	17.25	17.25	36.5
One Half	0.00000000000000001387778780781437435783446169441650390625	17.50	17.50	37.0
One Half	0.000000000000000006938893903907187178917230847208251953125	17.75	17.75	37.5
One Half	0.0000000000000000034694469519535935894586154236041259765625	18.00	18.00	38.0
One Half	0.00000000000000000173472347597679679472930771180206298828125	18.25	18.25	38.5
One Half	0.000000000000000000867361737988398397364653855901031494140625	18.50	18.50	39.0
One Half	0.000000000000000000433680868994199198682326927950515724703125	18.75	18.75	39.5
One Half	0.0000000000000000002168404344970995993411634639752578623515625	19.00	19.00	40.0
One Half	0.00000000000000000010842021724854979967058173198762893117578125	19.25	19.25	40.5
One Half	0.0000000000000000000542101086242748998352908659938114658890625	19.50	19.50	41.0
One Half	0.00000000000000000002710505431213744991764543299690573294453125	19.75	19.75	41.5
One Half	0.000000000000000000013552527156068724958822716498452866472265625	20.00	20.00	42.0
One Half	0.0000000000000000000067762635780343624794113582492264332361328125	20.25	20.25	42.5
One Half	0.00000000000000000000338813178901718123970567912461321661806640625	20.50	20.50	43.0
One Half	0.00000000000000000000169406589450859061985283956230660830903125	20.75	20.75	43.5
One Half	0.0000000000000000000008470329472542953099264197811533041545015625	21.00	21.00	44.0
One Half	0.0000000000000000000004235164736271476549632098905766520772578125	21.25	21.25	44.5
One Half	0.00000000000000000000021175823681357382748160494528832603862890625	21.50	21.50	45.0
One Half	0.000000000000000000000105879118406786913724082472644163019314453125	21.75	21.75	45.5
One Half	0.0000000000000000000000529395592033934568620412363220815096572265625	22.00	22.00	46.0
One Half	0.00000000000000000000002646977960169672843102061816104075328561328125	22.25	22.25	46.5
One Half	0.000000000000000000000013234889800848364215510309080520376642806640625	22.50	22.50	47.0
One Half	0.0000000000000000000000066174449004241821077551545402601882114033203125	22.75	22.75	47.5
One Half	0.00000000000000000000000330872245021209105387757727013009410570166015625	23.00	23.00	48.0
One Half	0.000000000000000000000001654361225106045526938788635065047052850828125	23.25	23.25	48.5
One Half	0.0000000000000000000000008271806125530227634693943175032535264254140625	23.50	23.50	49.0
One Half	0.00000000000000000000000041359030627651138173469715875162676321270703125	23.75	23.75	49.5
One Half	0.0000000000000000000000002067951531382556908673485793758133816063515625	24.00	24.00	50.0
One Half	0.00000000000000000000000010339757656912784543367428968790669080317578125	24.25	24.25	50.5
One Half	0.00000000000000000000000005169878828456392271683714484395334540158890625	24.50	24.50	51.0
One Half	0.000000000000000000000000025849394142281961358418572421976672700794453125	24.75	24.75	51.5
One Half	0.0000000000000000000000000129246970711409806792092862109883363503972265625	25.00	25.00	52.0
One Half	0.00000000000000000000000000646234853557049033960464310549416817519361328125	25.25	25.25	52.5
One Half	0.000000000000000000000000003231174267785245169802321552747208408796806640625	25.50	25.50	53.0
One Half	0.0000000000000000000000000016155871338926225849011607763736042043984033203125	25.75	25.75	53.5
One Half	0.00000000000000000000000000080779356694631129245058038818680210219920166015625	26.00	26.00	54.0
One Half	0.000000000000000000000000000403896783473155646225290194093401051099600828125	26.25	26.25	54.5
One Half	0.0000000000000000000000000002019483917365778231126450970467005254998004140625	26.50	26.50	55.0
One Half	0.00000000000000000000000000010097419586828891155632254852335026274990020703125	26.75	26.75	55.5
One Half	0.000000000000000000000000000050487097934144455778161274261675131374950103515625	27.00	27.00	56.0
One Half	0.0000000000000000000000000000252435489670722278890806371308375656874750517578125	27.25	27.25	56.5
One Half	0.0000000000000000000000000000126217744835361139445403185654187828437375258890625	27.50	27.50	57.0
One Half	0.00000000000000000000000000000631088724176805697227015928270939142186876294453125	27.75	27.75	57.5
One Half	0.000000000000000000000000000003155443620884028486135079641354695710934381472265625	28.00	28.00	58.0
One Half	0.0000000000000000000000000000015777218104420142430675398206773478554671907361328125	28.25	28.25	58.5
One Half	0.00000000000000000000000000000078886090522100712153376991033867392773359536806640625	28.50	28.50	59.0
One Half	0.000000000000000000000000000000394430452610503560766884955169336963866797684033203125	28.75	28.75	59.5
One Half	0.0000000000000000000000000000001972152263052517803834424775846684819333988420166015625	29.00	29.00	60.0
One Half	0.0000000000000000000000000000000986076131526258901917212387923342409669944210317578125	29.25	29.25	60.5
One Half	0.0000000000000000000000000000000493038065763129450958606193961667204834972205166015625	29.50	29.50	61.0
One Half	0.00000000000000000000000000000002465190328815647254793030969808336024174861025830078125	29.75	29.75	61.5
One Half	0.000000000000000000000000000000012325951644078236273965154849041680120874305129150390625	30.00	30.00	62.0
One Half	0.0000000000000000000000000000000061629758220391181369825774245020400604371525645751953125	30.25	30.25	62.5
One Half	0.00000000000000000000000000000000308148791101955906849128871225102003021857628228759765625	30.50	30.50	63.0
One Half	0.000000000000000000000000000000001540743955509779534245644356125510015109288141393798828125	30.75	30.75	63.5
One Half	0.0000000000000000000000000000000007703719777548897671222822280627550075546440706968994140625	31.00	31.00	64.0
One Half	0.000000000000000000000000000000000385185988877444883561141114031375003777322035348449703125	31.25	31.25	64.5
One Half	0.000000000000000000000000000000000192592994438722441780570557015637501888661017674224861328125	31.50	31.50	65.0
One Half	0.000000000000000000000000000000000096296497219361220890285278507818750944330508837112140625	31.75	31.75	65.5
One Half	0.0000000000000000000000000000000000481482486096806104451426392539093754721652544185560703125	32.00	32.00	66.0
One Half	0.0000000000000000000000000000000000240741243048403052225713271269546878260762722082751953125	32.25	32.25	66.5
One Half	0.00000000000000000000000000000000001203706215242015261128566366327284391303813610413798828125	32.50	32.50	67.0
One Half	0.00000000000000000000000000000000000601853107621007630564283183163642195651906805206994140625	32.75	32.75	67.5
One Half	0.0000000000000000000000000000000000030092655381050381528214159158182109782595340260349703125	33.00	33.00	68.0
One Half	0.0000000000000000000000			