

Shell ROTELLA®

FREEZE POINT ADJUSTMENT CHART FOR UNDER CONCENTRATED COOLANTS

(Use this chart to adjust your freeze point to -34°F)



TESTED FREEZE POINT	Actual % Antifreeze content in coolant	TOTAL COOLING SYSTEM VOLUME Remove and Add Equal Amounts															
		7-GAL	8-GAL	9-GAL	10-GAL	11-GAL	12-GAL	13-GAL	14-GAL	15-GAL	16-GAL	17-Gal	18-Gal	19-Gal	20-Gal		
		Volume to Drain and Replace with Shell Rotella® Antifreeze Coolant Concentrate															
+25	10	3	3 1/2	4	4 1/2	5	5 1/4	5 3/4	6 1/4	6 3/4	7	7 1/2	8	8 1/2	9		
+20	16	2 3/4	3 1/4	3 3/4	4	4 1/2	4 3/4	5 1/4	5 3/4	6	6 1/2	7	7 1/4	7 3/4	8		
+15	21	2 1/2	3	3 1/4	3 3/4	4	4 1/2	4 3/4	5 1/4	5 1/2	6	6 1/4	6 1/2	7	7 1/4		
+10	25	2 1/4	2 3/4	3	3 1/4	3 3/4	4	4 1/4	4 3/4	5	5 1/4	5 1/2	6	6 1/4	6 3/4		
+5	29	2	2 1/4	2 3/4	3	3 1/4	3 1/2	3 3/4	4 1/4	4 1/2	4 3/4	5	5 1/4	5 1/2	6		
0	33	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5		
-5	36	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2		
-10	39	1 1/4	1 1/2	1 1/2	1 3/4	2	2 1/4	2 1/4	2 1/2	2 3/4	3	3	3 1/4	3 1/2	3 1/2		
-15	42	1	1	1 1/4	1 1/2	1 1/2	1 3/4	1 3/4	2	2	2 1/4	2 1/4	2 1/2	2 1/2	2 3/4		
-20	44	3/4	3/4	1	1	1 1/4	1 1/4	1 1/2	1 1/2	1 1/2	1 3/4	1 3/4	2	2	2		
-25	46	1/2	1/2	3/4	3/4	3/4	1	1	1	1	1 1/4	1 1/4	1 1/4	1 1/2	1 1/2		
-30	48	1/4	1/4	1/4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4		
-34	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

- Listed above are the amounts of Shell Rotella® antifreeze/coolant concentrate needed to bring a cooling system to -34° F freeze protection after an equivalent amount of coolant has been drained.
- Amounts shown are in gallons rounded to the nearest 1/4 gallon.
- Use refractometer to measure the freeze point of coolant.
- Match reading with value under the "Tested Freeze Point" column.
- Determine the cooling system volume and using the chart determine the volume of coolant to drain from the cooling system.
- Replace drained volume with Shell Rotella® antifreeze/coolant concentrate.
- Use refractometer to recheck freeze point.