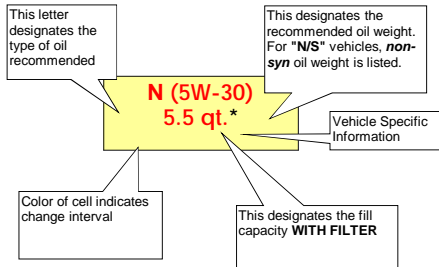


ASM Engine Oil Quick Reference Chart

Oil Type and Interval Reference
S = Synthetic oil only
N/S = Conventional oil recommended / OW-20 optional
N = Non-synthetic (conventional) oil only
S !!! = Synthetic oil only (with 5K interval)
S FRS = Synthetic oil only (with 7.5K interval)
5,000 mi / 6 month interval
10,000 mi / 12 month interval
7,500 mi / 7.5 month interval

Information Key

(refer to the information above for complete detail)



Vehicle Specific Information

Oil capacities are latest published information and are subject to change. All capacities are "with filter"

* 2010 Landcruiser with BLUE dipsticks have 7.4 fill w filter / with GREEN dipstick have 7.9 fill w filter

** Flex Fuel vehicle operated with E85 more than 50% of the time must have oil change at 2500 miles

*** 5W/20 oil recommended for Highlander *without* tow package

**** 2WD is 4.8 qt. and 4WD/Prerunner is 5.5 qt.

***** Oil capacity and type apply to Camry and Camry Solara

Information has not been validated

No information available for this model

Model / Engine / # of Cylinders / Displacement (L)				2008	2009	2010	2011	2012	2013
4Runner	2TR-FE	4	2.7			S !!! (0W-20) 6.1 qt.			
	1GR-FE	6	4.0	N (5W-30) 5.5 qt.	N (5W-30) 5.5 qt.	S (0W-20) 6.6 qt.	S (0W-20) 6.6 qt.	S (0W-20) 6.6 qt.	S (0W-20) 6.6 qt.
	2UZ-FE	8	4.7	N (5W-30) 6.5 qt.	N (5W-30) 6.5 qt.				
Avalon	2GR-FE	6	3.5	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	S (0W-20) 6.4 qt.
Avalon HV	2AR-FXE	4	2.5						S (0W-20) 4.6 qt.
Camry/ Camry Solara	2AZ-FE	4	2.4	N/S (5W-20) 4.5 qt.*****	N/S (5W-20) 4.5 qt.				
	2AR-FE	4	2.5			S (0W-20) 4.7 qt.	S (0W-20) 4.7 qt.	S (0W-20) 4.7 qt.	S (0W-20) 4.7 qt.
	3MZ-FE	6	3.3	N (5W-30) 5.0 qt.*****					
Camry HV	2GR-FE	6	3.5	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.
	2AZ-FXE	4	2.4	N/S (5W-20) 4.5 qt.	N/S (5W-20) 4.5 qt.	N/S (5W-20) 4.5 qt.	N/S (5W-20) 4.5 qt.		
	2AR-FXE	4	2.4					S (0W-20) 4.5 qt.	S (0W-20) 4.5 qt.
Corolla	1ZZ-FE	4	1.8	N (5W-30) 4.4 qt.					
	2ZR-FE	4	1.8		N/S (5W-20) 4.4 qt.	N/S (5W-20) 4.4 qt.	S (0W-20) 4.4 qt.	S (0W-20) 4.4 qt.	S (0W-20) 4.4 qt.
	2AZ-FE	4	2.4		N/S (5W-20) 4.0 qt.	N/S (5W-20) 4.0 qt.			
FJ Cruiser	1GR-FE	6	4.0	N (5W-30) 5.5 qt.	N (5W-30) 5.5 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.
Highlander	2AZ-FE	4	2.4						
	1AR-FE	4	2.7		N/S (5W-20) 4.7 qt.	N/S (5W-20) 4.7 qt.	N/S (5W-20) 4.7 qt.	N/S (5W-20) 4.7 qt.	N/S (5W-20) 4.7 qt.
	3MZ-FE	6	3.3						
Highlander HV	2GR-FE	6	3.5	N (5W-30) 6.4 qt.***	N (5W-30) 6.4 qt.***	N (5W-30) 6.4 qt.***	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.
	3MZ-FE	6	3.3	N/S (5W-20) 5.0 qt.	N/S (5W-20) 5.0 qt.	N/S (5W-20) 5.0 qt.			
Land Cruiser	2GR-FXE	6	3.5				S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.
	2UZ-FE	8	4.7						
Matrix	3UR-FE	8	5.7	N/S (5W-20) 7.4 qt.	N/S (5W-20) 7.4 qt.	N/S (5W-20) 7.4/7.9 qt.*	N/S (5W-20) 7.9 qt.		S (0W-20) 7.9 qt.
	1ZZ-FE	4	1.8	N (5W-30) 4.4 qt.					
	2ZR-FE	4	1.8		N/S (5W-20) 4.4 qt.	N/S (5W-20) 4.4 qt.	S (0W-20) 4.4 qt.	S (0W-20) 4.4 qt.	S (0W-20) 4.4 qt.
Prius	2AZ-FE	4	2.4		N/S (5W-20) 4.0 qt.	N/S (5W-20) 4.0 qt.	N/S (5W-20) 4.0 qt.	N/S (5W-20) 4.0 qt.	N/S (5W-20) 4.0 qt.
	1NZ-FXE	4	1.5	N (5W-30) 3.9 qt.	N (5W-30) 3.9 qt.				
Prius c	1NZ-FXE	4	1.5					S (0W-20) 3.9 qt.	S (0W-20) 3.9 qt.
Prius/Prius v/ Prius Plug-in Hybrid	2ZR-FXE	4	1.8			S (0W-20) 4.4 qt.	S (0W-20) 4.4 qt.	S (0W-20) 4.4 qt.	S (0W-20) 4.4 qt.
RAV4	2AZ-FE	4	2.4	N/S (5W-20) 4.5 qt.					
	2AR-FE	4	2.5		N/S (5W-20) 4.7 qt.	N/S (5W-20) 4.7 qt.	N/S (5W-20) 4.7 qt.	N/S (5W-20) 4.7 qt.	
	2GR-FE	6	3.5	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	
RAV4 EV	-	-	-	-	-	-	-	Electric Veh - No Oil Change	Electric Veh - No Oil Change
Sequoia	2UZ-FE	8	4.7	N (5W-30) 6.6 qt.	N (5W-30) 6.6 qt.				
	3UR-FE	8	5.7	N/S (5W-20) 7.4 qt.	N/S (5W-20) 7.4 qt.	N/S (5W-20) 7.9 qt.	N/S (5W-20) 7.9 qt.	S (0W-20) 7.9 qt.	S (0W-20) 7.9 qt.
	3UR-FBE**	8	5.7		N/S (5W-20) 7.4 qt.	N/S (5W-20) 7.9 qt.	N/S (5W-20) 7.9 qt.	S !!! (0W-20) 7.9 qt.	S !!! (0W-20) 7.9 qt.
	1UR-FE	8	4.6			S (0W-20) 7.9 qt.	S (0W-20) 7.9 qt.	S (0W-20) 7.9 qt.	
Sienna	1AR-FE	4	2.7				S (0W-20) 4.7 qt.	S (0W-20) 4.7 qt.	
	2GR-FE	6	3.5	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.
Tacoma	2TR-FE	4	2.7	N/S (5W-20) 6.1 qt.	N/S (5W-20) 6.1 qt.	N/S (5W-20) 6.1 qt.	S !!! (0W-20) 6.1 qt.	S !!! (0W-20) 6.1 qt.	S !!! (0W-20) 6.1 qt.
	1GR-FE	6	4.0	N (5W-30) 4.8 qt.****	N (5W-30) 4.8 qt.****	N (5W-30) 4.8 qt.****	N (5W-30) 4.8 qt.****	N (5W-30) 4.8 qt.****	N (5W-30) 4.8 qt.****
Tundra	1GR-FE	6	4.0	N (5W-30) 5.5 qt.	N (5W-30) 5.5 qt.	N (5W-30) 5.5 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.
	2UZ-FE	8	4.7	N (5W-30) 6.6 qt.	N (5W-30) 6.6 qt.				
	1UR-FE	8	4.6			S (0W-20) 7.9 qt.	S (0W-20) 7.9 qt.	S (0W-20) 7.9 qt.	S (0W-20) 7.9 qt.
	3UR-FE	8	5.7	N/S (5W-20) 7.4 qt.	N/S (5W-20) 7.4 qt.	N/S (5W-20) 7.9 qt.	N/S (5W-20) 7.9 qt.	S (0W-20) 7.9 qt.	S (0W-20) 7.9 qt.
	3UR-FBE**	8	5.7		N/S (5W-20) 7.4 qt.	N/S (5W-20) 7.9 qt.	N/S (5W-20) 7.9 qt.	S !!! (0W-20) 7.9 qt.	S !!! (0W-20) 7.9 qt.
Venza	1AR-FE	4	2.7		N/S (5W-20) 4.7 qt.	N/S (5W-20) 4.7 qt.	N/S (5W-20) 4.7 qt.	N/S (5W-20) 4.7 qt.	S (0W-20) 4.6 qt.
	2GR-FE	6	3.5		N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.
Yaris	1NZ-FE	4	1.5	N (5W-30) 3.9 qt.	N (5W-30) 3.9 qt.	N (5W-30) 3.9 qt.	N (5W-30) 3.9 qt.	N (5W-30) 3.9 qt.	N (5W-30) 3.9 qt.
Scion tC	2AZ-FE	4	2.4	N/S (5W-20) 4.0 qt.	N/S (5W-20) 4.0 qt.	N/S (5W-20) 4.0 qt.			
	2AR-FE	4	2.5				S (0W-20) 4.7 qt.	S (0W-20) 4.7 qt.	S (0W-20) 4.7 qt.
Scion xB	2AZ-FE	4	2.4	N/S (5W-20) 4.5 qt.	N/S (5W-20) 4.5 qt.	N/S (5W-20) 4.5 qt.	N/S (5W-20) 4.5 qt.	N/S (5W-20) 4.5 qt.	
Scion xD	2ZR-FE	4	1.8	N/S (5W-20) 4.4 qt.	N/S (5W-20) 4.4 qt.	S (0W-20) 4.4 qt.	S (0W-20) 4.4 qt.	S (0W-20) 4.4 qt.	S (0W-20) 4.4 qt.
Scion iQ	1NR-FE	4	1.3					S (0W-20) 3.7 qt.	S (0W-20) 3.7 qt.
Scion FR-S	FA20	4	2.0						S FR-S (0W-20) 5.8 qt.

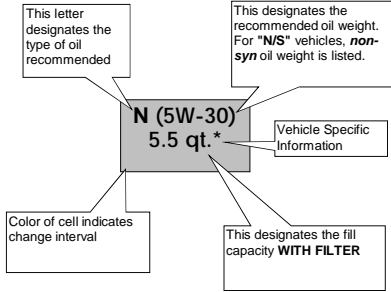
ASM Engine Oil Quick Reference Chart

Oil Type and Interval Reference

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N/S = Conventional oil recommended / OW-20 optional
N = Non-synthetic (conventional) oil only
S !!! = Synthetic oil only (with 5K interval)
S FRS = Synthetic oil only (with 7.5k interval)
5,000 mi / 6 month interval
10,000 mi / 12 month interval
7,500 mi / 7.5 month interval

Information Key

(refer to the information above for complete detail)



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* 2010 Landcruiser with BLUE dipsticks have 7.4 fill w filter / with GREEN dipstick have 7.9 fill w filter

** Flex Fuel vehicle operated with E85 more than 50% of the time must have an oil change at 2500 miles

*** 5W/20 oil recommended for Highlander without tow package

**** 2WD is 4.8 qt. and 4WD/Prerunner is 5.5 qt.

***** Oil capacity and type apply to Camry and Camry Solara

No information available for this model



Model / Engine / # of Cylinders / Displacement (L)				2008	2009	2010	2011	2012	2013
4Runner	2TR-FE	4	2.7			S !!! (0W-20) 6.1 qt.			
	1GR-FE	6	4.0	N (5W-30) 5.5 qt.	N (5W-30) 5.5 qt.	S (0W-20) 6.6 qt.	S (0W-20) 6.6 qt.	S (0W-20) 6.6 qt.	S (0W-20) 6.6 qt.
	2UZ-FE	8	4.7	N (5W-30) 6.5 qt.	N (5W-30) 6.5 qt.				
Avalon	2GR-FE	6	3.5	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	S (0W-20) 6.4 qt.
Avalon HV	2AR-FXE	4	2.5	N (5W-30) 6.4 qt.					S (0W-20) 4.6 qt.
Camry/ Camry Solara	2AZ-FE	4	2.4	N/S (5W-20) 4.5 qt.*****	N/S (5W-20) 4.5 qt.				
	2AR-FE	4	2.5			S (0W-20) 4.7 qt.	S (0W-20) 4.7 qt.	S (0W-20) 4.7 qt.	S (0W-20) 4.7 qt.
	3MZ-FE	6	3.3	N (5W-30) 5.0 qt.*****					
Camry HV	2GR-FE	6	3.5	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.
	2AZ-FXE	4	2.4	N/S (5W-20) 4.5 qt.	N/S (5W-20) 4.5 qt.	N/S (5W-20) 4.5 qt.	N/S (5W-20) 4.5 qt.		
	2AR-FXE	4	2.4					S (0W-20) 4.5 qt.	S (0W-20) 4.5 qt.
Corolla	1ZZ-FE	4	1.8	N (5W-30) 4.4 qt.					
	2ZR-FE	4	1.8		N/S (5W-20) 4.4 qt.	N/S (5W-20) 4.4 qt.	S (0W-20) 4.4 qt.	S (0W-20) 4.4 qt.	S (0W-20) 4.4 qt.
	2AZ-FE	4	2.4		N/S (5W-20) 4.0 qt.	N/S (5W-20) 4.0 qt.			
FJ Cruiser	1GR-FE	6	4.0	N (5W-30) 5.5 qt.	N (5W-30) 5.5 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.
Highlander	2AZ-FE	4	2.4						
	1AR-FE	4	2.7		N/S (5W-20) 4.7 qt.	N/S (5W-20) 4.7 qt.	N/S (5W-20) 4.7 qt.	N/S (5W-20) 4.7 qt.	N/S (5W-20) 4.7 qt.
	3MZ-FE	6	3.3						
Highlander HV	2GR-FE	6	3.5	N (5W-30) 6.4 qt.***	N (5W-30) 6.4 qt.***	N (5W-30) 6.4 qt.***	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.
	3MZ-FE	6	3.3	N/S (5W-20) 5.0 qt.	N/S (5W-20) 5.0 qt.	N/S (5W-20) 5.0 qt.			
	2GR-FXE	6	3.5				S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.
Land Cruiser	2UZ-FE	8	4.7						
	3UR-FE	8	5.7	N/S (5W-20) 7.4 qt.	N/S (5W-20) 7.4 qt.	N/S (5W-20) 7.4/7.9 qt.*	N/S (5W-20) 7.9 qt.		S (0W-20) 7.9 qt.
Matrix	1ZZ-FE	4	1.8	N (5W-30) 4.4 qt.					
	2ZR-FE	4	1.8		N/S (5W-20) 4.4 qt.	N/S (5W-20) 4.4 qt.	S (0W-20) 4.4 qt.	S (0W-20) 4.4 qt.	S (0W-20) 4.4 qt.
	2AZ-FE	4	2.4		N/S (5W-20) 4.0 qt.	N/S (5W-20) 4.0 qt.	N/S (5W-20) 4.0 qt.	N/S (5W-20) 4.0 qt.	N/S (5W-20) 4.0 qt.
Prius	1NZ-FXE	4	1.5	N (5W-30) 3.9 qt.	N (5W-30) 3.9 qt.				
Prius c	1NZ-FXE	4	1.5					S (0W-20) 3.9 qt.	S (0W-20) 3.9 qt.
Prius/Prius v/ Prius Plug-in Hybrid	2ZR-FXE	4	1.8			S (0W-20) 4.4 qt.	S (0W-20) 4.4 qt.	S (0W-20) 4.4 qt.	S (0W-20) 4.4 qt.
RAV4	2AZ-FE	4	2.4	N/S (5W-20) 4.5 qt.					
	2AR-FE	4	2.5		N/S (5W-20) 4.7 qt.	N/S (5W-20) 4.7 qt.	N/S (5W-20) 4.7 qt.	N/S (5W-20) 4.7 qt.	
	2GR-FE	6	3.5	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	
RAV4 EV	-	-	-					Electric Veh - No Oil Change	Electric Veh - No Oil Change
Sequoia	2UZ-FE	8	4.7	N (5W-30) 6.6 qt.	N (5W-30) 6.6 qt.				
	3UR-FE	8	5.7	N/S (5W-20) 7.4 qt.	N/S (5W-20) 7.4 qt.	N/S (5W-20) 7.9 qt.	N/S (5W-20) 7.9 qt.	S (0W-20) 7.9 qt.	S (0W-20) 7.9 qt.
	3UR-FBE**	8	5.7		N/S (5W-20) 7.4 qt.	N/S (5W-20) 7.9 qt.	N/S (5W-20) 7.9 qt.	S !!! (0W-20) 7.9 qt.	S !!! (0W-20) 7.9 qt.
	1UR-FE	8	4.6			S (0W-20) 7.9 qt.	S (0W-20) 7.9 qt.	S (0W-20) 7.9 qt.	S (0W-20) 7.9 qt.
Sienna	1AR-FE	4	2.7				S (0W-20) 4.7 qt.	S (0W-20) 4.7 qt.	
	2GR-FE	6	3.5	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.
Tacoma	2TR-FE	4	2.7	N/S (5W-20) 6.1 qt.	N/S (5W-20) 6.1 qt.	N/S (5W-20) 6.1 qt.	S !!! (0W-20) 6.1 qt.	S !!! (0W-20) 6.1 qt.	S !!! (0W-20) 6.1 qt.
	1GR-FE	6	4.0	N (5W-30) 4.8 qt.****	N (5W-30) 4.8 qt.****	N (5W-30) 4.8 qt.****	N (5W-30) 4.8 qt.****	N (5W-30) 4.8 qt.****	N (5W-30) 4.8 qt.****
Tundra	1GR-FE	6	4.0	N (5W-30) 5.5 qt.	N (5W-30) 5.5 qt.	N (5W-30) 5.5 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.
	2UZ-FE	8	4.7	N (5W-30) 6.6 qt.	N (5W-30) 6.6 qt.				
	1UR-FE	8	4.6			S (0W-20) 7.9 qt.	S (0W-20) 7.9 qt.	S (0W-20) 7.9 qt.	S (0W-20) 7.9 qt.
	3UR-FE	8	5.7	N/S (5W-20) 7.4 qt.	N/S (5W-20) 7.4 qt.	N/S (5W-20) 7.9 qt.	N/S (5W-20) 7.9 qt.	S (0W-20) 7.9 qt.	S (0W-20) 7.9 qt.
	3UR-FBE**	8	5.7		N/S (5W-20) 7.4 qt.	N/S (5W-20) 7.9 qt.	N/S (5W-20) 7.9 qt.	S !!! (0W-20) 7.9 qt.	S !!! (0W-20) 7.9 qt.
Venza	1AR-FE	4	2.7		N/S (5W-20) 4.7 qt.	N/S (5W-20) 4.7 qt.	N/S (5W-20) 4.7 qt.	N/S (5W-20) 4.7 qt.	S (0W-20) 4.6 qt.
	2GR-FE	6	3.5		N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	N (5W-30) 6.4 qt.	S (0W-20) 6.4 qt.	S (0W-20) 6.4 qt.
Yaris	1NZ-FE	4	1.5	N (5W-30) 3.9 qt.	N (5W-30) 3.9 qt.	N (5W-30) 3.9 qt.	N (5W-30) 3.9 qt.	N (5W-30) 3.9 qt.	N (5W-30) 3.9 qt.
Scion tC	2AZ-FE	4	2.4	N/S (5W-20) 4.0 qt.	N/S (5W-20) 4.0 qt.	N/S (5W-20) 4.0 qt.			
	2AR-FE	4	2.5				S (0W-20) 4.7 qt.	S (0W-20) 4.7 qt.	S (0W-20) 4.7 qt.
Scion xB	2AZ-FE	4	2.4	N/S (5W-20) 4.5 qt.	N/S (5W-20) 4.5 qt.	N/S (5W-20) 4.5 qt.	N/S (5W-20) 4.5 qt.	N/S (5W-20) 4.5 qt.	
Scion xD	2ZR-FE	4	1.8	N/S (5W-20) 4.4 qt.	N/S (5W-20) 4.4 qt.	S (0W-20) 4.4 qt.	S (0W-20) 4.4 qt.	S (0W-20) 4.4 qt.	S (0W-20) 4.4 qt.
Scion iQ	1NR-FE	4	1.3					S (0W-20) 3.7 qt.	S (0W-20) 3.7 qt.
Scion FR-S	FA20	4	2.0						S FRS (0W-20) 5.8 qt.