Subject
Oil Viscosity Applicability and Change Interval Guide

Market
USA

Service Category
General

Section
Maintenance

Applicability
2010-2015

APPLICABLE VEHICLES

2010-2015	Highlander	2010-2014, 2010-2014	FJ Cruiser
2010-2015	Camry	2010-2015	Prius
2010-2015	Tundra	2010-2015	Sienna
2010-2014	Matrix	2013-2015	Avalon HV
2012-2015	Prius V	2010-2011, 2013-2014, 2010-2011, 2013-2015	Land Cruiser
2010-2015	4Runner	2010-2015	Sequoia
2010-2015	Avalon	2010-2015	RAV4
2010-2015	Venza	2010, 2012-2015	Prius PHV
2010-2015	Yaris	2010-2015	Tacoma
2010	Solara	2012-2015	Prius C
2010-2015	Highlander HV	2010-2015	Corolla
2010-2015	Camry HV		

CONDITION

Starting with the 2010 Model Year, Toyota began a gradual transition to the use of synthetic 0w-20 viscosity engine oil. There are multiple benefits of this oil, including:

- Reduced friction and wear on engine surfaces
- Improved fuel economy
- Reduction in waste oil stream (in vehicles approved for 10,000 mile oil change intervals)
- Reduced maintenance cost (in vehicles approved for 10,000 mile oil change intervals)

Due to the improved performance and durability of 0w-20 synthetic oil, Toyota has extended the oil change intervals to 10,000 miles for most vehicles that require this oil. With this change, the following should be noted:

- The 2TR-FE (4Runner / Tacoma) and the 3UR-FBE (Flex Fuel Tundra / Sequoia) are the exceptions to this new change interval program; these engines have not been approved for the 10,000 mile interval at this time. A 5,000 mile oil change interval is still required for these vehicles. Also, the Flex Fuel 3UR-FBE requires a 2,500 mile interval when operated on E85 50% of the time or more.
- Only Toyota vehicles in which 0w-20 oil is mandatory (except for the 2TR-FE & 3UR-FBE Engines) have been approved for extended oil change intervals.
- Vehicles in which 0w-20 is an option to 5w-20 (or 5w-30) will continue to require 5,000 mile change intervals, even if 0w-20 oil is used.
- In the case of vehicles with 10,000 mile oil change intervals, the 5,000 mile service interval has not been eliminated. The traditional 5,000 mile maintenance procedures (such as tire rotation) will continue to be required, and the fluid levels (including engine oil) will need to be checked and adjusted at this time.
- If the vehicle operation meets the standard criteria for "Special Operating Conditions" such as: driving off-road, on dirt roads, towing a trailer, making repeated short trips under 32° F, or extensive idling; the engine oil must be replaced at 5,000 mile intervals, regardless of oil used.

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RECOMMENDATIONS

Please follow the charts on pages 2 & 3 to determine the proper oil viscosity, fill quantity, and proper **change** interval for 2010-2014 Model Year Toyota vehicles under non-severe usage.

	Vehicle	Engine	Model Year	Oil	Capacity w/ Filter Change	Change Interval
TRUCK	4Runner	1GR-FE	2010-2015	0w-20	6.6	10,000 Miles
		2TR-FE	2010	0w-20	6.1	**5,000 Miles**
	FJ Cruiser	1GR-FE	2010-2015	0w-20	6.4	10,000 Miles
	Highlander	1AR-FE	2010-2013	5w-20 or 0w-20	4.7	5,000 Miles
			2014-2015	0W-20	4.6	10,000 Miles
		2GR-FE	2010	**NOTE 1**	6.4	5,000 Miles
			2011-2015	0w-20	6.4	10,000 Miles
	Highlander HV	3MZ-FE	2010	5w-20 or 0w-20	5.0	5,000 Miles
		2GR-FXE	2011-2015	0w-20	6.4	10,000 Miles
	Land Cruiser	3UR-FE	2010	5w-20 or 0w-20	**NOTE 2**	5,000 Miles
			2011		7.9	5,000 Miles
			2013-2015	0w-20	7.9	10,000 Miles
	RAV4	2AR-FE	2010-2012	5w-20 or 0w-20	4.7	5,000 Miles
		2GR-FE	2010-2012	5w-30	6.4	5,000 Miles
		2AR-FE	2013-2015	0w-20	4.6	10,000 Miles
	Sequoia	1UR-FE	2010-2013	0w-20	7.9	10,000 Miles
		3UR-FE	2010-2011	5w-20 or 0w-20	7.9	5,000 Miles
			2012-2015	0w-20	7.9	10,000 Miles
		3UR-FBE	2010-2011	5w-20 or 0w-20	7.9	**5,000 Miles / Note 3**
			2012-2015	0w-20	7.9	
	Sienna	1AR-FE	2011-2013	0w-20	4.7	10,000 Miles
		2GR-FE	2010	5w-30	6.4	5,000 Miles
			2011-2015	0w-20	6.4	10,000 Miles
	Tacoma	1GR-FE	2010-2015	5w-30	**NOTE 4**	5,000 Miles
		2TR-FE	2010	5w-20 or 0w-20	6.1	5,000 Miles
			2011-2015	0w-20	6.1	**5,000 Miles**
	Tundra	1GR-FE	2010	5w-30	**NOTE 5**	5,000 Miles
			2011-2015	0w-20	6.4	10,000 Miles
		1UR-FE	2010-2015	0w-20	7.9	10,000 Miles
		3UR-FE	2010-2011	5w-20 or 0w-20	7.9	5,000 Miles
			2012-2015	0w-20	7.9	10,000 Miles
		3UR-FBE	2010-2011	5w-20 or 0w-20	7.9	**5,000 Miles / Note 3**
			2012-2015	0w-20	7.9	

NOTE 1. With Towing Package - 5w-30 / Without Towing Package - 5w-20

NOTE 2. If dip stick color is **BLUE**, fill quantity is 7.4 quarts. If dip stick is **GREEN**, fill quantity is 7.9 quarts

NOTE 3. Flex fuel vehicles that have been operated with E85 50% of the time or more, must have engine oil changed every

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2,500 miles

NOTE 4. 4.8 quarts for 2WD (except Pre-Runner), 5.5 quarts for 4X4 and Pre-Runner
NOTE 5. Vehicles built through Oct 2009 receive 4.8 quarts and vehicles built from Nov 2009 receive 5.5 quarts

	Vehicle	Engine	Model Year	Oil	Capacity w/ Filter Change	Change Interval
CAR	Avalon	2GR-FE	2010-2012	5w-30	6.4	5,000 Miles
			2013-2015	0w-20	6.4	10,000 Miles
	Avalon HV	2AR-FXE	2013-2015	0W-20	4.6	10,000 Miles
	Camry	2AR-FE	2010-2015	0w-20	4.7	10,000 Miles
		2GR-FE	2010-2011	5w-30	6.4	5,000 Miles
			2012-2015	0w-20	6.4	10,000 Miles
	Camry HV	2AZ-FXE	2010-2011	5w-20 or 0w-20	4.5	5,000 Miles
		2AR-FXE	2012-2015	0w-20	4.5	10,000 Miles
	Corolla	2ZR-FE	2010	5w-20 or 0w-20	4.4	5,000 Miles
			2011-2015	0w-20	4.4	10,000 Miles
		2ZR-FAE	2014-2015	0w-20	4.2	10,000 Miles
		2AZ-FE	2010	5w-20 or 0w-20	4.0	5,000 Miles
	Matrix	2ZR-FE	2010	5w-20 or 0w-20	4.4	5,000 Miles
			2011-2013	0w-20	4.4	10,000 Miles
		2AZ-FE	2010-2013	5w-20 or 0w-20	4.0	5,000 Miles
	Prius	2ZR-FXE	2010-2015	0w-20	4.4	10,000 Miles
	Prius C	1NZ-FXE	2012-2015	0w-20	3.9	10,000 Miles
	Prius PHV	2ZR-FXE	2012-2015	0w-20	4.4	10,000 Miles
	Prius V	2ZR-FXE	2012-2015	0w-20	4.4	10,000 Miles
	Venza	1AR-FE	2010-2012	5w-20 or 0w-20	4.7	5,000 Miles
		1AR-FE	2013-2015	0w-20	4.7	10,000 Miles
		2GR-FE	2010-2011	5w-30	6.4	5,000 Miles
			2012-2015	0w-20	6.4	10,000 Miles
	Yaris	1NZ-FE	2010-2015	5w-30	3.9	5,000 Miles

LINK REFERENCES

This Tech Tip does not contain any link references

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