



OIL REPORT

LAB NUMBER: L80609

UNIT ID: TOYOTA SYNTHETIC

REPORT DATE: 12/2/2019

CLIENT ID: 145711

CODE: 44/685

PAYMENT: CC: Visa

UNIT

MAKE/MODEL: Virgin 0W/20
FUEL TYPE:
ADDITIONAL INFO:OIL TYPE & GRADE: Toyota Synthetic 0W/20
OIL USE INTERVAL:

CLIENT

JOSEPH PICKEL

PHONE:
FAX:
ALT PHONE:
EMAIL: josephp732@aol.com

COMMENTS

JOSEPH: There is nothing unusual in this sample of Toyota 0W/20 oil. Traces of aluminum, iron, and copper are common in virgin oil samples. Molybdenum, phosphorus, and zinc are anti-wear additives, and boron, sodium, calcium, and magnesium are detergent/dispersant additives. Silicon is sometimes used as an antifoaming additive. The viscosity is in the correct range, and no water or solids are present. The TBN is strong at 9.6. This is serviceable oil.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit								
	Sample Date	11/25/2019							
	Make Up Oil Added								
	ALUMINUM	1	1						1
	CHROMIUM	0	0						0
	IRON	1	1						1
	COPPER	1	1						0
	LEAD	0	0						0
	TIN	0	0						0
	MOLYBDENUM	656	746						82
	NICKEL	0	0						0
	MANGANESE	0	0						0
	SILVER	0	0						0
	TITANIUM	0	0						2
	POTASSIUM	1	2						1
	BORON	173	266						112
	SILICON	7	7						4
	SODIUM	3	3						30
	CALCIUM	1249	1586						1896
	MAGNESIUM	581	295						193
	PHOSPHORUS	643	683						684
	ZINC	753	782						786
	BARIUM	0	0						0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	53.8	46-57					
	cSt Viscosity @ 100°C	8.41	6.0-9.7					
	Flashpoint in °F	430	>375					
	Fuel %	-	<2.0					
	Antifreeze %	-	0.0					
	Water %	0.0	<0.1					
	Insolubles %	0.0	<0.6					
	TBN	9.6	>1.0					
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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