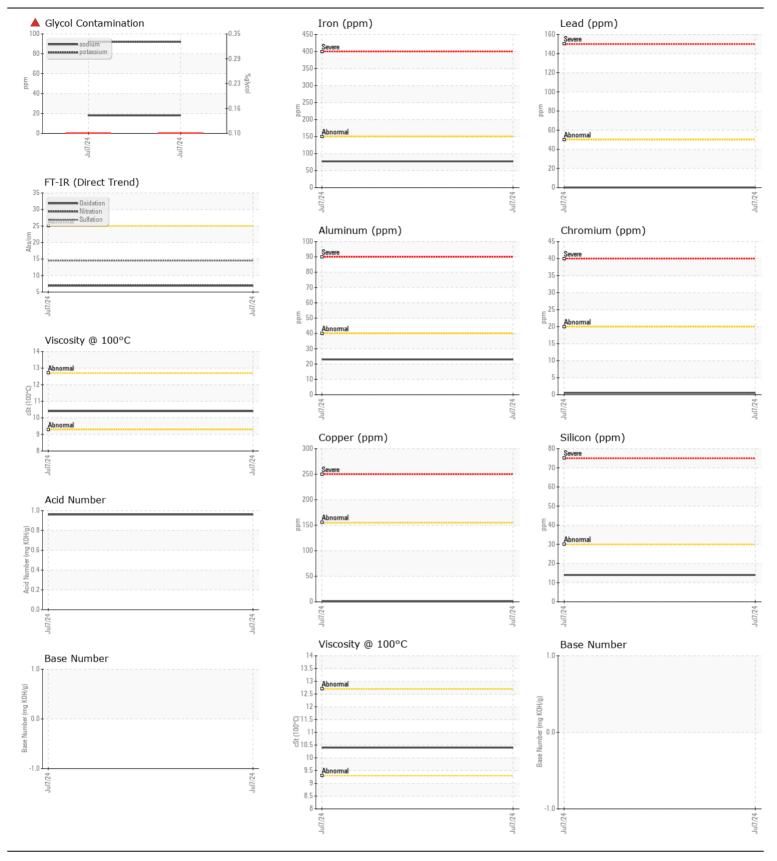


## Machine Id TOYOTA 27378-010

## Gasoline Engine

{not provided} (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check for the source of the coolant leak. Check for low coolant level.	Sample Number		Client Info		WCM2278678		
	Sample Date		Client Info		07 Jul 2024		
	Machine Age	mls	Client Info		0		
	Oil Age	mls	Client Info		0		
	Filter Age	mls	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				SEVERE		
WEAR	Iron	nom	ASTM D5185m	<150	77		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1		
	Nickel	ppm ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m	>5	<1		
	Silver	ppm	ASTM D5185m	>2	<1		
	Aluminum	ppm	ASTM D5185m		23		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		۰ <1		
	Tin	ppm	ASTM D5185m		<1		
	Vanadium	ppm	ASTM D5185m	210	<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>30	14		
	Potassium	ppm	ASTM D5185m	>20	<u> </u>		
Sodium and/or potassium levels are high. Test for glycol is positive.	Fuel		WC Method	>4.0	<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol	%	*ASTM D2982		<b>A</b> 0.10		
	Soot %	%	*ASTM D7844		0		
	Nitration	Abs/cm	*ASTM D7624	>20	7.0		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	14.5		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	LIGHT		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
	0			400	40		
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>400	18		
The AN level is acceptable for this fluid.	Boron	ppm	ASTM D5185m		59		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		38		
	Manganese	ppm	ASTM D5185m		1		
	Magnesium	ppm	ASTM D5185m		784		
	Calcium	ppm	ASTM D5185m		1018		
	Phosphorus	ppm	ASTM D5185m		527 626		
	Zinc	ppm	ASTM D5185m		636		
	Sulfur	ppm	ASTM D5185m *ASTM D7414	- OF	2009		
	Oxidation	Abs/.1mm		>20	6.9		
	Acid Number (AN)				0.96		
	Visc @ 100°C	cSt	ASTM D445		10.4		



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 NORTH AMERICAN WEST AUTOMOTIVE FORENSIC SERVICES Sample No. : WCM2278678 Received : 08 Jul 2024 PO BOX 2220 ø Lab Number : 06230349 MISSION VIEJO, CA Tested : 11 Jul 2024 : 11 Jul 2024 - Jonathan Hester US 92690 Unique Number : 11113842 Diagnosed Test Package : MOB 2 (Additional Tests: Glycol, TBN) Contact: CHAD TREDWAY Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. chad.nawest@gmail.com;northamericanwest@gmail.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (888)491-1080 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (949)271-2360

Contact/Location: CHAD TREDWAY - NORLAD Page 2 of 2