



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>MARGINAL</b>
FLUID CONDITION	<b>ABNORMAL</b>

Area  
**LEMON**  
Machine Id  
**NISSAN 300ZX JN1RZ24S4LX000263 JN1RZ24S4LX000263**  
Component  
**Front Gasoline Engine**  
Fluid  
**SAE 10W30 (--- LTR)**

## RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0006309</b>	---	---
Sample Date		Client Info		<b>01 Jun 2024</b>	---	---
Machine Age	kms	Client Info		<b>264925</b>	---	---
Oil Age	kms	Client Info		<b>3000</b>	---	---
Filter Age	kms	Client Info		<b>3000</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>Not Changed</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>150	<b>4</b>	---	---
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>40	<b>1</b>	---	---
Lead	ppm	ASTM D5185(m)	>50	<b>1</b>	---	---
Copper	ppm	ASTM D5185(m)	>155	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---

## CONTAMINATION

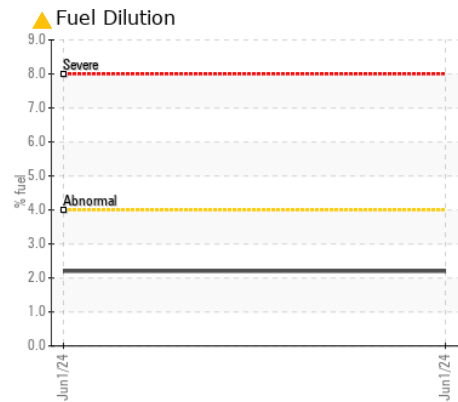
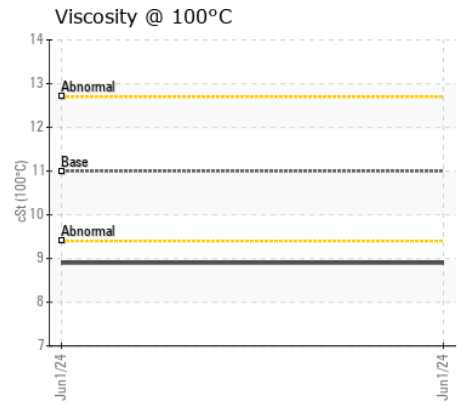
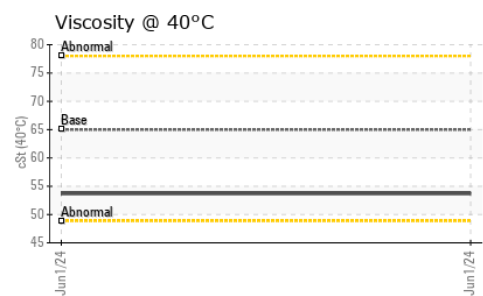
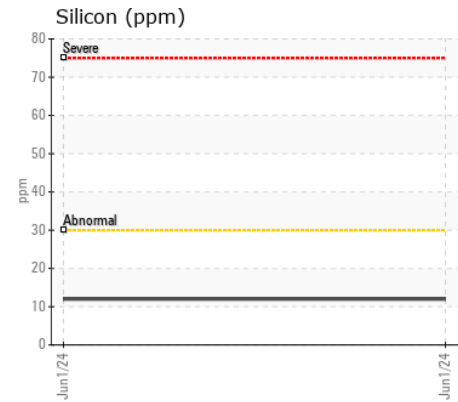
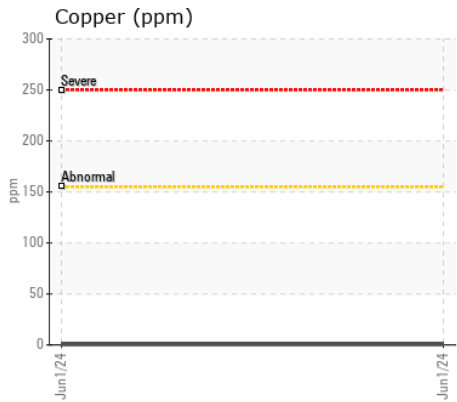
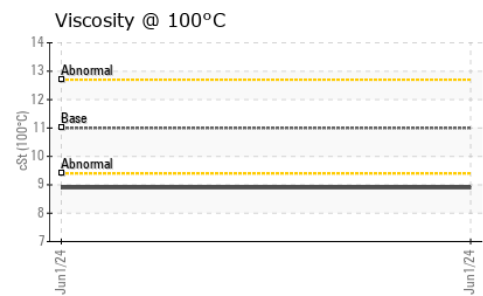
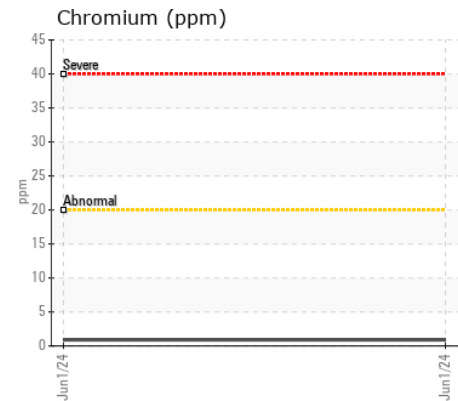
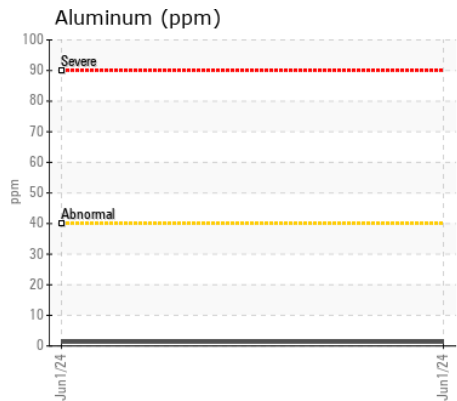
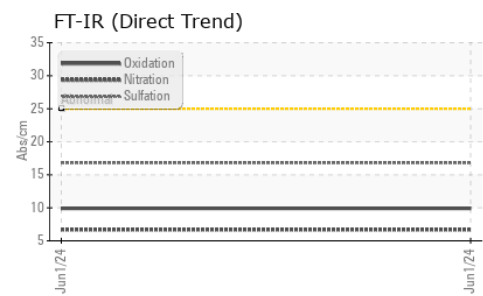
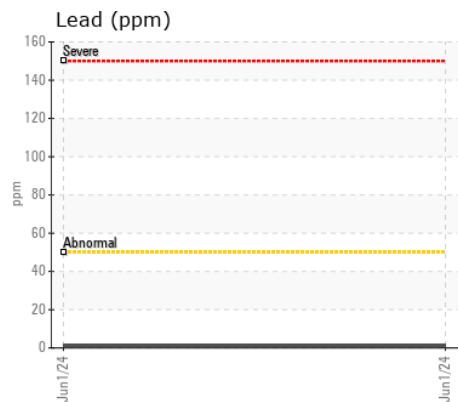
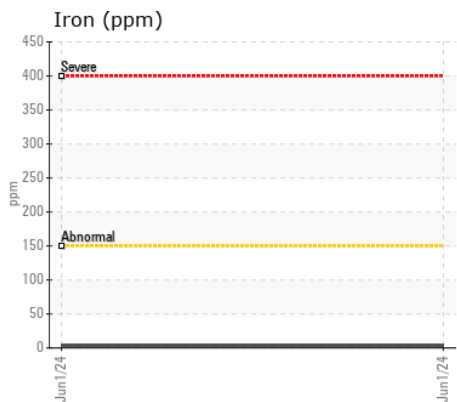
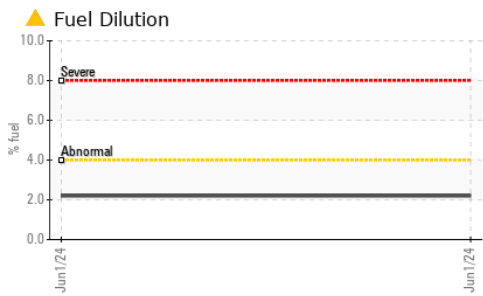
Light fuel dilution occurring. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185(m)	>30	<b>12</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	---	---
Fuel	%	ASTM D7593*	>4.0	<b>▲ 2.2</b>	---	---
Water		WC Method	>0.2	<b>NEG</b>	---	---
Glycol		WC Method		<b>NEG</b>	---	---
Soot %	%	ASTM D7844*		<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.7</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>16.8</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	---	---

## FLUID CONDITION

Sulfur ppm levels are abnormally low.

Sodium	ppm	ASTM D5185(m)	>228	<b>2</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>47</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>132</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>381</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>1096</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>537</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>641</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>▲ 1388</b>	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>9.9</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	65.0	<b>53.7</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.0	<b>8.9</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	161	<b>144</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0006309 **Received** : 18 Jun 2024  
**Lab Number** : **02642574** **Tested** : 19 Jun 2024  
**Unique Number** : 5800113 **Diagnosed** : 19 Jun 2024 - Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: FuelDilution, KV40, PercentFuel, VI, Visual )

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

**POWER STATION INC.**  
 1050 JAYSON COURT  
 MISSISSAUGA, ON  
 CA L4W 2V5  
 Contact: Brett Kinkley  
 Bkinkley@pwrstn.com  
 T:  
 F: (905)565-8544