



# OIL ANALYSIS REPORT

Sample Rating Trend



VIS DEBRIS



Machine Id

## Sh 15-40 bulk tank

Component

### Bulk Fluid Tank

Fluid

### PETRO CANADA DURON CLASSIC 15W40 (--- GAL)

#### DIAGNOSIS

##### ▲ Recommendation

This is a baseline read-out on the submitted sample.

##### ▲ Contamination

Moderate concentration of visible dirt/debris present in the oil.

#### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>KFS0006055</b>	---	---
Sample Date	Client Info		<b>19 Jun 2024</b>	---	---
Machine Age	hrs	Client Info	<b>1</b>	---	---
Oil Age	hrs	Client Info	<b>1</b>	---	---
Oil Changed	Client Info		<b>Not Changed</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

#### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method		<b>NEG</b>	---	---

#### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	<b>0</b>	---	---
Chromium	ppm	ASTM D5185m	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m	<b>0</b>	---	---
Silver	ppm	ASTM D5185m	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	<b>2</b>	---	---
Lead	ppm	ASTM D5185m	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	<b>0</b>	---	---
Tin	ppm	ASTM D5185m	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	---	---

#### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<b>10</b>	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	---
Molybdenum	ppm	ASTM D5185m	0	<b>65</b>	---
Manganese	ppm	ASTM D5185m	0	<b>0</b>	---
Magnesium	ppm	ASTM D5185m	15	<b>1007</b>	---
Calcium	ppm	ASTM D5185m	2540	<b>1182</b>	---
Phosphorus	ppm	ASTM D5185m	1000	<b>1114</b>	---
Zinc	ppm	ASTM D5185m	1100	<b>1348</b>	---
Sulfur	ppm	ASTM D5185m	3800	<b>3863</b>	---

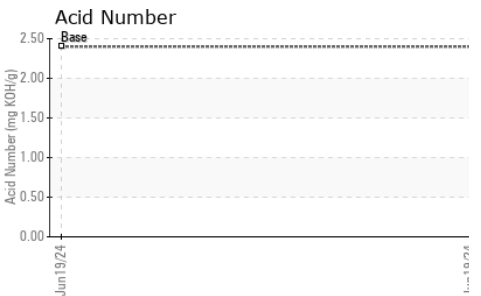
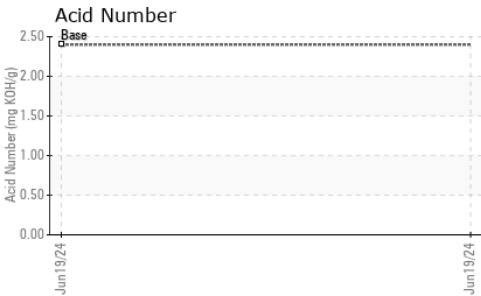
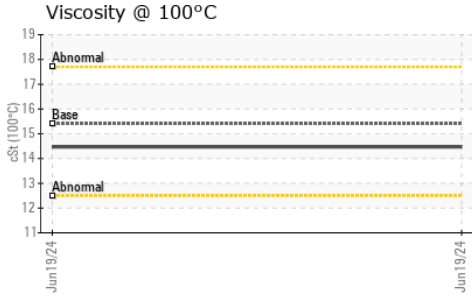
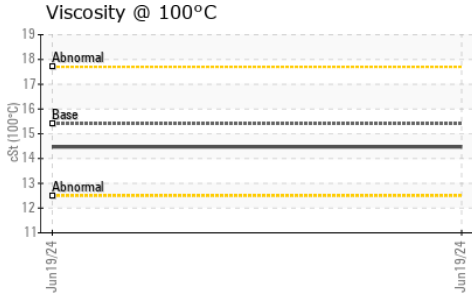
#### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<b>6</b>	---	---
Sodium	ppm	ASTM D5185m	<b>0</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---

#### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Base Number (BN)	mg KOH/g	ASTM D2896	8.8	<b>10.30</b>	---

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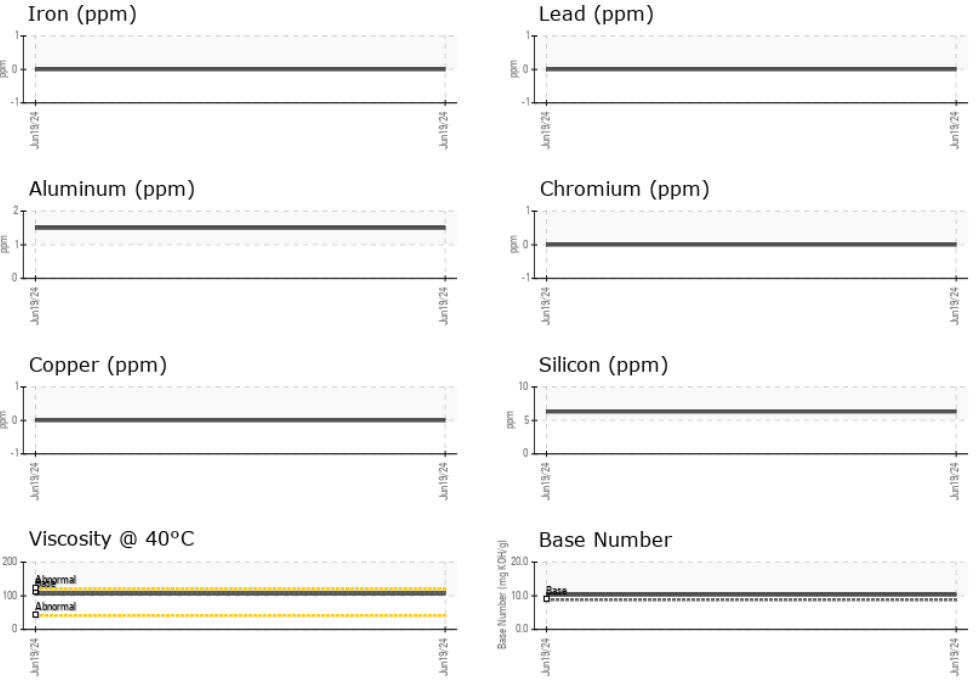
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	▲ MODER	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual		NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	109.7	106.0	---
Visc @ 100°C	cSt	ASTM D445	15.4	14.47	---
Viscosity Index (VI)	Scale	ASTM D2270	149	140	---

### SAMPLE IMAGES

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KFS0006055      **Received** : 26 Jun 2024  
**Lab Number** : 06221756      **Tested** : 28 Jun 2024  
**Unique Number** : 11099953      **Diagnosed** : 28 Jun 2024 - Jonathan Hester  
**Test Package** : MOB 2 ( Additional Tests: FT-IR, KV100, TBN, VI )

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To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)