

# OIL ANALYSIS REPORT

Sample Rating Trend



ADDITIVES



Machine Id  
**DURON HP 15W40**

Component  
**Diesel Engine**

Fluid  
**PETRO CANADA DURON HP 15W40 (--- GAL)**

## DIAGNOSIS

**● Recommendation**

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

**● Fluid Condition**

Additive levels indicate a different brand, or type of oil. The oil viscosity is lower than typical.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PCA0041684</b>	---	---
Sample Date	Client Info			<b>09 Mar 2024</b>	---	---
Machine Age	mths	Client Info		<b>0</b>	---	---
Oil Age	mths	Client Info		<b>0</b>	---	---
Oil Changed	Client Info			<b>N/A</b>	---	---
Sample Status				<b>ATTENTION</b>	---	---

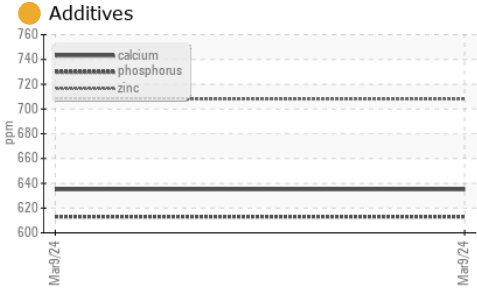
CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	<b>NEG</b>	---	---
Glycol	WC Method			<b>NEG</b>	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	<b>62</b>	---	---
Chromium	ppm	ASTM D5185m	>20	<b>4</b>	---	---
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---	---
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185m	>20	<b>6</b>	---	---
Lead	ppm	ASTM D5185m	>40	<b>4</b>	---	---
Copper	ppm	ASTM D5185m	>330	<b>8</b>	---	---
Tin	ppm	ASTM D5185m	>15	<b>1</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	---	---
Barium	ppm	ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>34</b>	---	---
Manganese	ppm	ASTM D5185m		<b>2</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>540</b>	---	---
Calcium	ppm	ASTM D5185m		<b>635</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>613</b>	---	---
Zinc	ppm	ASTM D5185m		<b>708</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>1968</b>	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>20</b>	---	---
Sodium	ppm	ASTM D5185m		<b>1</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	---	---
Fuel	%	ASTM D3524	>5	<b>&lt;1.0</b>	---	---

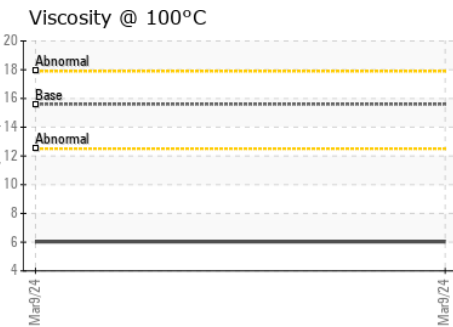
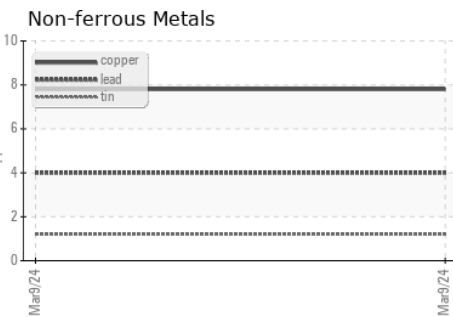
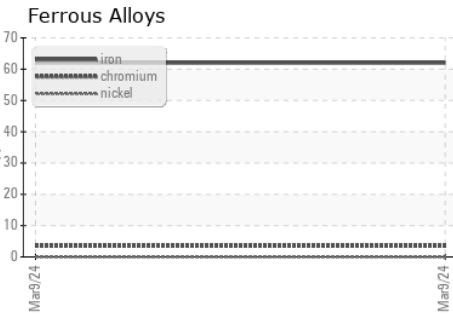
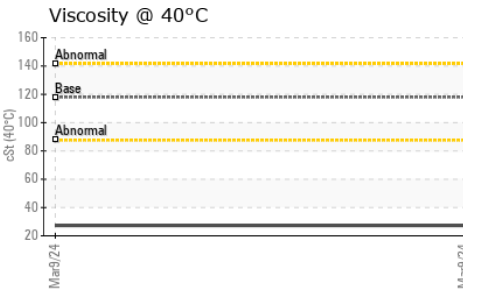
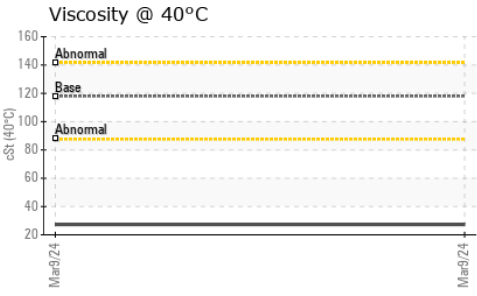
# OIL ANALYSIS REPORT



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	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	118	27.3	---
Visc @ 100°C	cSt	ASTM D445	15.6	6.03	---
Viscosity Index (VI)	Scale	ASTM D2270	139	177	---

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0041684      **Received** : 08 Mar 2024  
**Lab Number** : **06113278**      **Tested** : 13 Mar 2024  
**Unique Number** : 10916775      **Diagnosed** : 13 Mar 2024 - Jonathan Hester  
**Test Package** : IND 1 ( Additional Tests: FuelDilution, KV40, VI )

**VALLEY PACIFIC PETROLEUM SERVICES INC**  
 9521 ENOS LN  
 BAKERSFIELD, CA  
 US 93314  
 Contact: JAYKE KNIGHT  
 JAYKE.KNIGHT@VPPS.NET

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)

T:  
F: