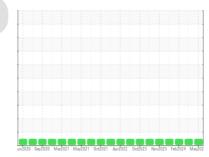


# **OIL ANALYSIS REPORT**



PETRO CANADA DURON SHP 15W40 (--- LTR)



Sample Rating Trend



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

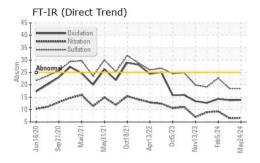
## **Fluid Condition**

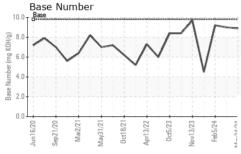
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

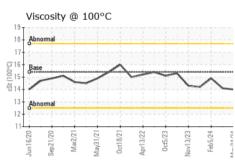
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0122054	GFL0111880	GFL0108271
Sample Date		Client Info		24 May 2024	16 Apr 2024	05 Feb 2024
Machine Age	hrs	Client Info		21815	21680	21342
Oil Age	hrs	Client Info		21477	338	13090
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	NC	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	16	28	31
Chromium	ppm	ASTM D5185m	>20	0	1	<1
Nickel	ppm	ASTM D5185m	>5	0	2	<1
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	2	4	2
	ppm	ASTM D5185m	>40	<1	1	0
Copper	ppm	ASTM D5185m	>330	0	1	<1
	ppm	ASTM D5185m	>15	<1	1	<1
	ppm	ASTM D5185m		0	<1	0
	ppm	ASTM D5185m		0	1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	22	27	13
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	56	82	57
Manganese	ppm	ASTM D5185m	0	<1	1	<1
Magnesium	ppm	ASTM D5185m	1010	894	1283	866
Calcium	ppm	ASTM D5185m	1070	1074	1584	1005
Phosphorus	ppm	ASTM D5185m	1150	1047	1583	1006
Zinc	ppm	ASTM D5185m	1270	1201	1743	1209
Sulfur	ppm	ASTM D5185m	2060	3519	5221	2895
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	7	4
Sodium	ppm	ASTM D5185m		1	3	<1
Potassium	ppm	ASTM D5185m	>20	2	2	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.3	0.4	2
	Abs/cm	*ASTM D7624	>20	6.6	6.5	9.3
Nitration	100/0111					
	Abs/.1mm	*ASTM D7415	>30	18.5	18.5	22.7
	Abs/.1mm		>30 limit/base		18.5 history1	22.7 history2
Sulfation FLUID DEGRADA	Abs/.1mm	*ASTM D7415		18.5		



# **OIL ANALYSIS REPORT**



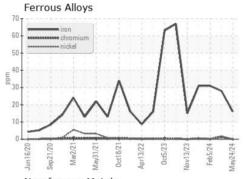


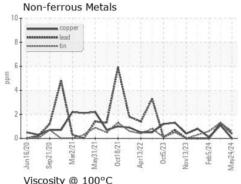


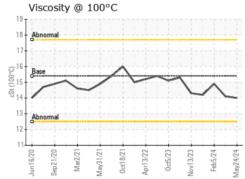
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

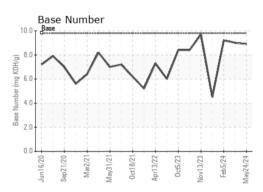
FLUID PROP	ERHES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.0	14.1	14.9

## **GRAPHS**













Certificate 12367

Laboratory Sample No.

Lab Number : 06193832 Unique Number : 11055955

Test Package : FLEET

: GFL0122054

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 May 2024

**Tested** : 30 May 2024 Diagnosed : 30 May 2024 - Wes Davis

GFL Environmental - 652 - Fredericksburg Hauling 10954 Houser Drive Fredericksburg, VA US 22408

Contact: WILLIAM MILO wmilo@gflenv.com

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: