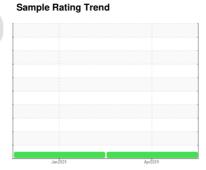


# **OIL ANALYSIS REPORT**



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





## 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

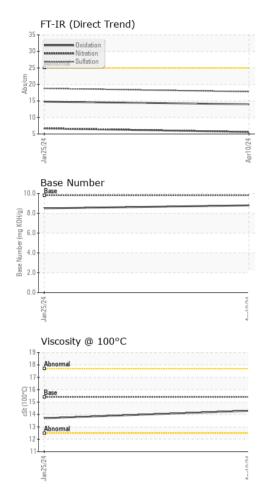
## **Fluid Condition**

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	ATTION.	Client Info		GFL0108447	GFL0082371	
Sample Date		Client Info		10 Apr 2024	25 Jan 2024	
·	hrs	Client Info		0	16529	
·	hrs	Client Info		0	600	
Oil Changed	0	Client Info		N/A	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	
Water		WC Method		NEG	NEG	
Glycol		WC Method	70.L	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
						,
	ppm	ASTM D5185m	>120	10	8	
	ppm		>20	<1	0	
	ppm	ASTM D5185m	>5	3	<1	
	ppm	ASTM D5185m		0	0	
	ppm	ASTM D5185m	>2	0	0	
	ppm	ASTM D5185m	>20	2	2	
Lead	ppm	ASTM D5185m	>40	<1	0	
	ppm	ASTM D5185m	>330	1	4	
Tin	ppm		>15	<1	<1	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2	33	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	61	64	
Manganese	ppm	ASTM D5185m	0	<1	0	
Magnesium	ppm	ASTM D5185m	1010	982	1000	
Calcium	ppm	ASTM D5185m	1070	1158	1147	
Phosphorus	ppm	ASTM D5185m	1150	1072	1061	
Zinc	ppm	ASTM D5185m	1270	1229	1272	
Sulfur	ppm	ASTM D5185m	2060	3774	3298	
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	4	
Sodium	ppm	ASTM D5185m		3	2	
Potassium	ppm	ASTM D5185m	>20	0	<1	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.1	0.1	
Nitration	Abs/cm	*ASTM D7624	>20	5.6	6.7	
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.8	18.8	
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation /	Abs/.1mm	*ASTM D7414	>25	14.0	14.8	
	mg KOH/g	ASTM D2896	9.8	8.8	8.5	
( )	9					

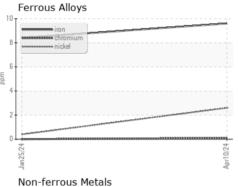


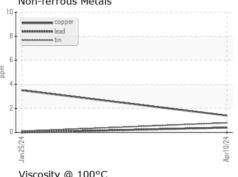
# **OIL ANALYSIS REPORT**

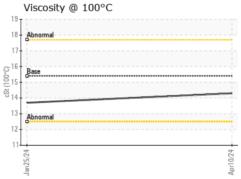


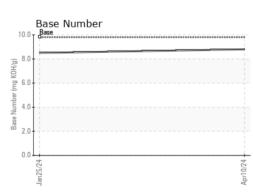
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance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

FLUID PROPE	ERITES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.4	14.3	13.7	













Certificate 12367

Sample No.

: GFL0108447 Lab Number : 06154082 Unique Number : 10989505

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Apr 2024 Tested Diagnosed

: 22 Apr 2024 : 22 Apr 2024 - Wes Davis

GFL Environmental - 959F - Clinton HC 9550 Heritage Rd Clinton, IL US 61727

Contact: Larry Siegmann lsiegmann@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: