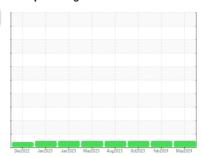


# **OIL ANALYSIS REPORT**

## Sample Rating Trend







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

# DIAGNOSIS

## Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil

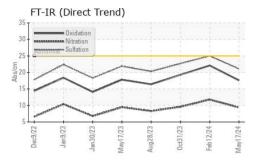
## **Fluid Condition**

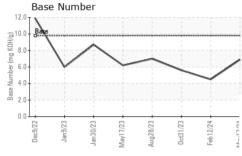
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

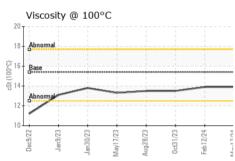
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		GFL0100998	GFL0101066	GFL0092790			
Sample Date		Client Info		17 May 2024	12 Feb 2024	31 Oct 2023			
Machine Age	hrs	Client Info		15699	15699	15699			
Ü	hrs	Client Info		14527	14527	14936			
Oil Changed		Client Info		N/A	N/A	N/A			
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	42	42	19			
Chromium	ppm	ASTM D5185m	>20	2	<1	<1			
	ppm	ASTM D5185m	>5	0	<1	<1			
	ppm	ASTM D5185m	>2	<1	0	0			
	ppm	ASTM D5185m	>2	0	0	<1			
	ppm	ASTM D5185m	>20	6	3	3			
	ppm	ASTM D5185m	>40	2	6	2			
	ppm	ASTM D5185m	>330	5	3	2			
	ppm	ASTM D5185m	>15	1	1	<1			
	ppm	ASTM D5185m	710	0	0	<1			
	ppm	ASTM D5185m		0	0	<1			
ADDITIVES	P	method	limit/base	current	history1	history2			
_	ppm	ASTM D5185m	0	3	1	0			
	ppm		0	0	0	4			
	ppm	ASTM D5185m	60	64	59	55			
	ppm	ASTM D5185m	0	<1	<1	0			
	ppm	ASTM D5185m	1010	978	1011	811			
J	ppm	ASTM D5185m	1070	1101	1074	979			
		ASTM D5185m	1150	1050	1004	685			
	ppm ppm	ASTM D5185m	1270	1281	1294	1125			
	ppm	ASTM D5185m	2060	3051	2505	2042			
CONTAMINANT		method	limit/base	current	history1	history2			
	ppm	ASTM D5185m		15	7	5			
	ppm	ASTM D5185m	725	3	8	7			
		ASTM D5185m	>20	2	2	6			
	ppm								
INFRA-RED		method	limit/base	current	history1	history2			
	%	*ASTM D7844	>4	0.7	1.2	0.9			
	Abs/cm	*ASTM D7624	>20	9.4	11.8	9.6			
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.1	25.0	22.7			
FLUID DEGRADATION method limit/base current history1 history2									
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.6	22.1	19.3			
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	6.9	4.5	5.6			

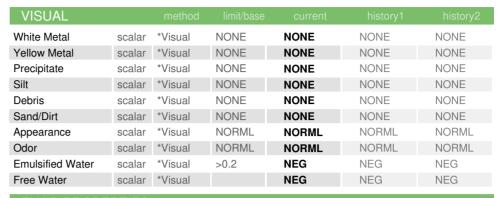


## **OIL ANALYSIS REPORT**



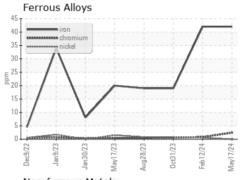


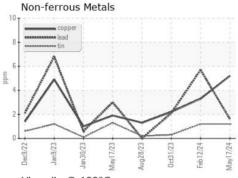


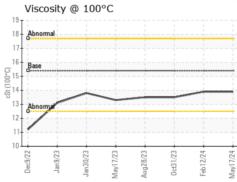


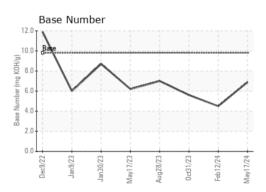
FLUID PROPE	EKITES	method	ilmit/base		nistory i	nistory∠
Visc @ 100°C	cSt	ASTM D445	15.4	13.9	13.9	13.5

## **GRAPHS**













Certificate 12367

Report Id: GFL455 [WUSCAR] 06188904 (Generated: 05/24/2024 15:41:13) Rev: 1

Laboratory Sample No.

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06188904 Unique Number : 11045656

: GFL0100998

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

 $^st$  - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Received **Tested** 

: 24 May 2024 Diagnosed

: 23 May 2024

: 24 May 2024 - Wes Davis

US 48507 Contact: MARK WOMBLE mwomble@gflenv.com T: (586)825-9514

2051 W. Bristol Rd

Flint Township, MI

GFL Environmental - 455 - Flint

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

Submitted By: MARK WOMBLE