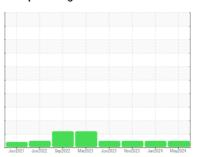


# **OIL ANALYSIS REPORT**

## Sample Rating Trend









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

# 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

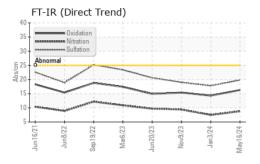
### **Fluid Condition**

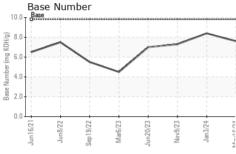
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

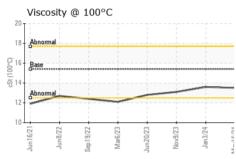
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0106021	GFL0106099	GFL0078624
Sample Date		Client Info		16 May 2024	03 Jan 2024	09 Nov 2023
Machine Age	hrs	Client Info		25096	24715	24436
Oil Age	hrs	Client Info		0	630	600
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ION	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	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	16	5	11
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	5	2	3
Lead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m	>330	2	0	0
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	10	4	5
Barium	ppm	ASTM D5185m	0	0	0	<1
Molybdenum	ppm	ASTM D5185m	60	60	58	61
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	1010	913	925	956
Calcium	ppm	ASTM D5185m	1070	1065	1029	1051
Phosphorus	ppm	ASTM D5185m	1150	968	1016	1004
Zinc	ppm	ASTM D5185m	1270	1219	1192	1250
Sulfur	ppm	ASTM D5185m	2060	3285	3373	3024
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	3	4
Sodium	ppm	ASTM D5185m		4	2	1
Potassium	ppm	ASTM D5185m	>20	5	1	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.5	0.3	0.5
Nitration	Abs/cm	*ASTM D7624	>20	8.8	7.5	9.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	17.8	19.0
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.3	14.3	15.4
Base Number (BN)	mg KOH/g	ASTM D2896		7.6	8.4	7.3
(= - •)	9					-

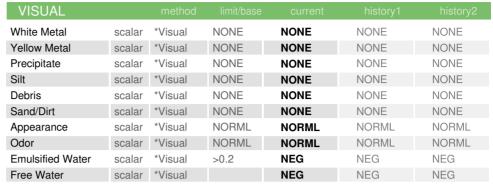


# **OIL ANALYSIS REPORT**



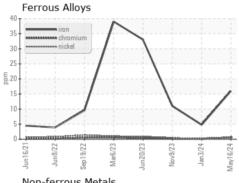


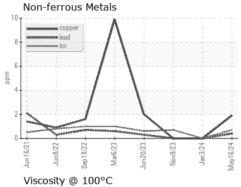


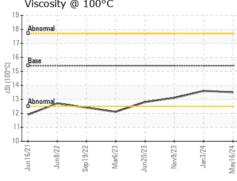


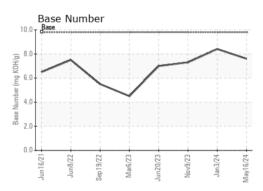
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.5	13.6	13.1

### **GRAPHS**













Laboratory Sample No. Lab Number : 06188698

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0106021 Unique Number : 11045450

Received **Tested** Diagnosed

: 23 May 2024 : 24 May 2024 : 24 May 2024 - Wes Davis

GFL Environmental - 152 - Jacksonville 7580 PHILIPS HWY

Jacksonville, FL US 32256

T: 1(904)252-6815

Contact: GRANVILLE CARROLL gcarroll@gflenv.com

Test Package : FLEET Certificate 12367 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)