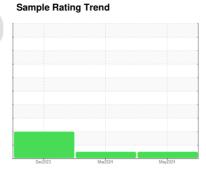


# **OIL ANALYSIS REPORT**



Machine Id 814009 **Diesel Engine** 

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





# 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

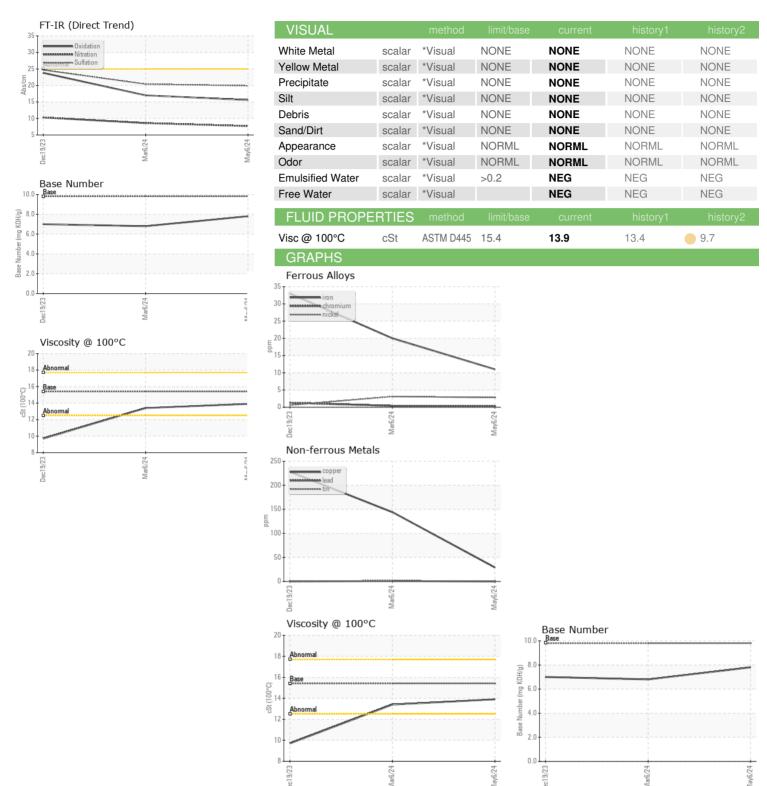
## **Fluid Condition**

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

SAMPLE INFOR	RMATION	method				history2
Sample Number		Client Info		GFL0108511	GFL0108479	GFL010338
Sample Date		Client Info		06 May 2024	06 Mar 2024	19 Dec 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
-uel		WC Method	>3.0	<1.0	<1.0	0.2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	11	20	33
Chromium	ppm	ASTM D5185m	>20	<1	<1	1
Nickel	ppm	ASTM D5185m	>5	3	3	<1
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	<1	<1	0
Aluminum	ppm	ASTM D5185m	>20	<1	1	2
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m	>330	29	144	228
Tin	ppm	ASTM D5185m	>15	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	3	15	257
Barium	ppm	ASTM D5185m	0	1	0	5
Molybdenum	ppm	ASTM D5185m	60	61	64	125
Manganese	ppm	ASTM D5185m	0	<1	<1	0
Magnesium	ppm	ASTM D5185m	1010	965	962	627
Calcium	ppm	ASTM D5185m	1070	1080	1144	1358
Phosphorus	ppm	ASTM D5185m	1150	1091	999	701
Zinc	ppm	ASTM D5185m	1270	1245	1167	777
Sulfur	ppm	ASTM D5185m	2060	3295	2875	2348
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	11	<u>^</u> 86
Sodium	ppm	ASTM D5185m		2	3	0
Potassium	ppm	ASTM D5185m	>20	0	0	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.6	0.6	0.5
Nitration	Abs/cm	*ASTM D7624	>20	7.7	8.6	10.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.9	20.4	24.7
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.6	17.0	23.8



# **OIL ANALYSIS REPORT**







Certificate 12367

Sample No.

Test Package : FLEET

: GFL0108511 Lab Number : 06178385 Unique Number : 11029711

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 14 May 2024 **Tested** Diagnosed

: 14 May 2024 : 14 May 2024 - Wes Davis

GFL Environmental - 904 - Chippewa Falls HC 11888 & 11863 30th Avenue

Chippewa Falls, WI US 54729

Contact: Andy Kane

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: (715)202-3420 F: