

# **OIL ANALYSIS REPORT**

### ADT

# Sample Rating Trend

NORMAL



Machine Id 181 (S/N 79980936)

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- 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

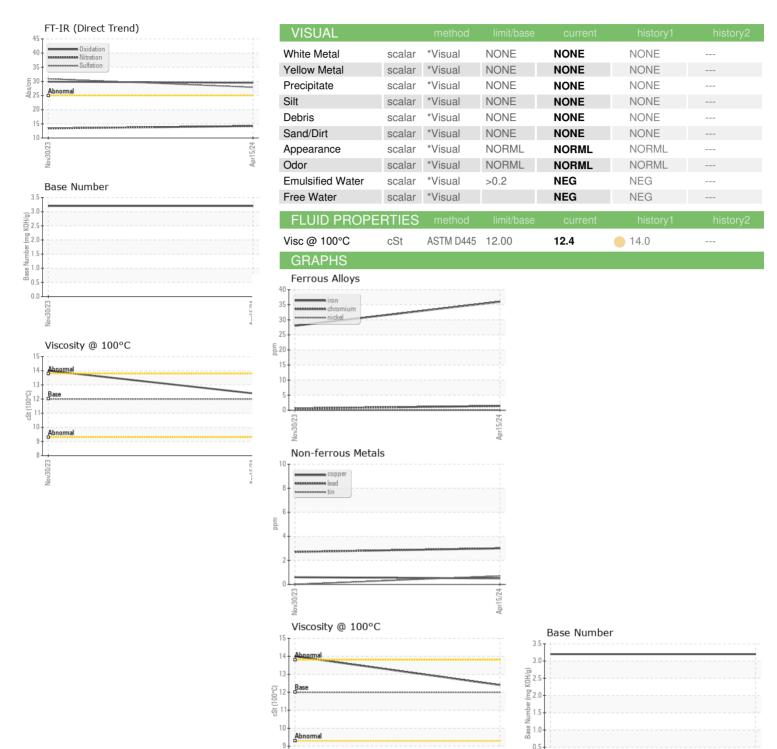
### **Fluid Condition**

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

GAL)			Nov2023	Apr2024		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0093085	PCA0093089	
Sample Date		Client Info		15 Apr 2024	30 Nov 2023	
Machine Age	mls	Client Info		693357	666033	
Oil Age	mls	Client Info		27324	31665	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	ATTENTION	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	36	28	
Chromium	ppm	ASTM D5185m	>20	1	<1	
Nickel	ppm	ASTM D5185m	>2	0	0	
Titanium	ppm	ASTM D5185m	>2	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>20	2	2	
Lead	ppm	ASTM D5185m	>40	3	3	
Copper	ppm	ASTM D5185m	>330	<1	<1	
Tin	ppm	ASTM D5185m	>15	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	2	28	
Barium	ppm	ASTM D5185m	0	0	2	
Molybdenum	ppm	ASTM D5185m	50	70	80	
Manganese	ppm	ASTM D5185m	0	<1	0	
Magnesium	ppm	ASTM D5185m	950	1023	138	
Calcium	ppm	ASTM D5185m	1050	1323	2039	
Phosphorus	ppm	ASTM D5185m	995	1112	881	
Zinc	ppm	ASTM D5185m	1180	1414	1156	
Sulfur	ppm	ASTM D5185m	2600	3582	3510	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	6	
Sodium	ppm	ASTM D5185m		5	<1	
Potassium	ppm	ASTM D5185m	>20	2	4	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.6	0.5	
Nitration	Abs/cm	*ASTM D7624	>20	14.2	13.4	
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.9	30.9	
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	29.5	29.9	
Base Number (BN)	mg KOH/g	ASTM D2896		3.2	3.2	



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Certificate 12367

Laboratory Sample No.

: PCA0093085 Lab Number : 06161157 Unique Number : 10996580

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 26 Apr 2024 Tested : 26 Apr 2024

Diagnosed : 29 Apr 2024 - Don Baldridge

0.0

Test Package : FLEET 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)

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Contact/Location: CRIS BUSH - MCCPAR