

# **OIL ANALYSIS REPORT**

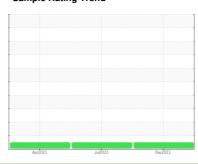
### Sample Rating Trend

## NORMAL



Component **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

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

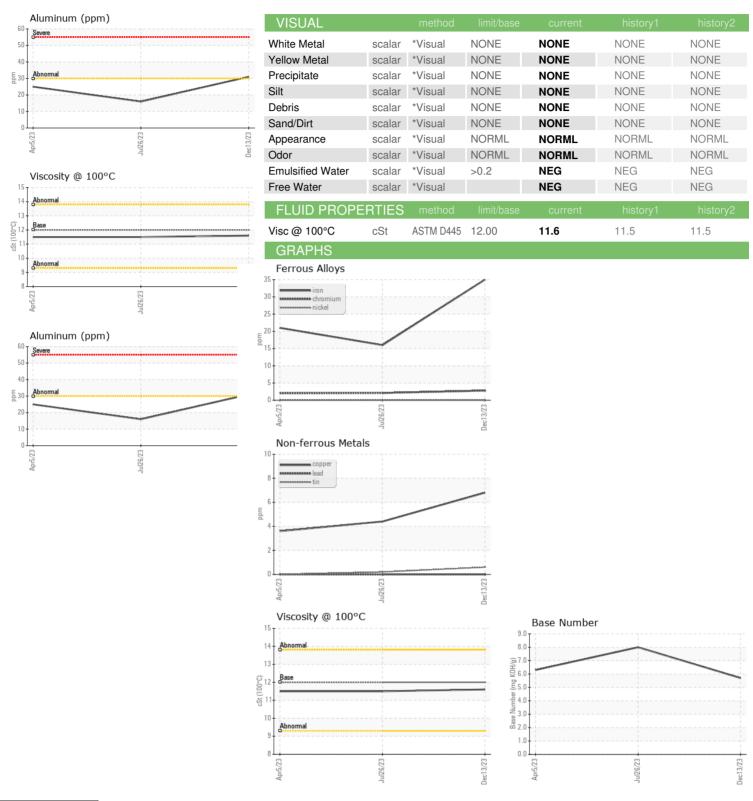
### Fluid Condition

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

	Apr2023 Jul023 Dec2023						
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		PCA0110974	PCA0099835	PCA0095996	
Sample Date		Client Info		13 Dec 2023	26 Jul 2023	05 Apr 2023	
Machine Age	mls	Client Info		218629	198711	183725	
Oil Age	mls	Client Info		34904	14986	15633	
Oil Changed		Client Info		Changed	Not Changd	Changed	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINATI	ON	method	limit/base	current	history1	history2	
Fuel		WC Method	>5	<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	>80	35	16	21	
Chromium	ppm	ASTM D5185m	>5	3	2	2	
Nickel	ppm	ASTM D5185m	>2	0	0	0	
Titanium	ppm	ASTM D5185m		0	0	0	
Silver	ppm	ASTM D5185m	>3	0	0	0	
Aluminum	ppm	ASTM D5185m	>30	31	16	25	
Lead	ppm	ASTM D5185m	>30	0	0	0	
Copper	ppm	ASTM D5185m	>150	7	4	4	
Tin	ppm	ASTM D5185m	>5	<1	<1	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	2	2	8	4	
Barium	ppm	ASTM D5185m	0	0	2	0	
Molybdenum	ppm	ASTM D5185m	50	69	71	63	
Manganese	ppm	ASTM D5185m	0	<1	<1	<1	
Magnesium	ppm	ASTM D5185m	950	908	1037	983	
Calcium	ppm	ASTM D5185m	1050	1142	1214	1197	
Phosphorus	ppm	ASTM D5185m	995	955	1117	991	
Zinc	ppm	ASTM D5185m	1180	1170	1376	1341	
Sulfur	ppm	ASTM D5185m	2600	2434	3795	3084	
CONTAMINAN	TS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>20	6	5	4	
Sodium	ppm	ASTM D5185m		<1	3	1	
Potassium	ppm	ASTM D5185m	>20	53	23	35	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	1.4	0.7	0.8	
Nitration	Abs/cm	*ASTM D7624	>20	9.4	7.6	8.0	
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.9	19.5	19.3	
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.5	14.8	16.0	
Base Number (BN)	mg KOH/g	ASTM D2896		5.7	8.0	6.3	
( -)	0 - 0						



# **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number Unique Number Test Package : FLEET

: 06046770

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

: PCA0110974 : 10807378

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 28 Dec 2023 Recieved : 28 Dec 2023 Diagnosed : Wes Davis Diagnostician

Transervice - Shop 1071 - Supermarket-Dayton

60 A Tower Road Dayton, NJ US 08810

Contact: Brian Quinn bquinn@transervice.com

T:

\* - 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)

F: