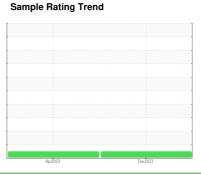


# **OIL ANALYSIS REPORT**

# (46060Z) Walgreens - Tractor [Walgreens - Tractor] 136A62076

**Diesel Engine** 

PETRO CANADA DURON SHP 10W30 (11 GAL)





### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

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

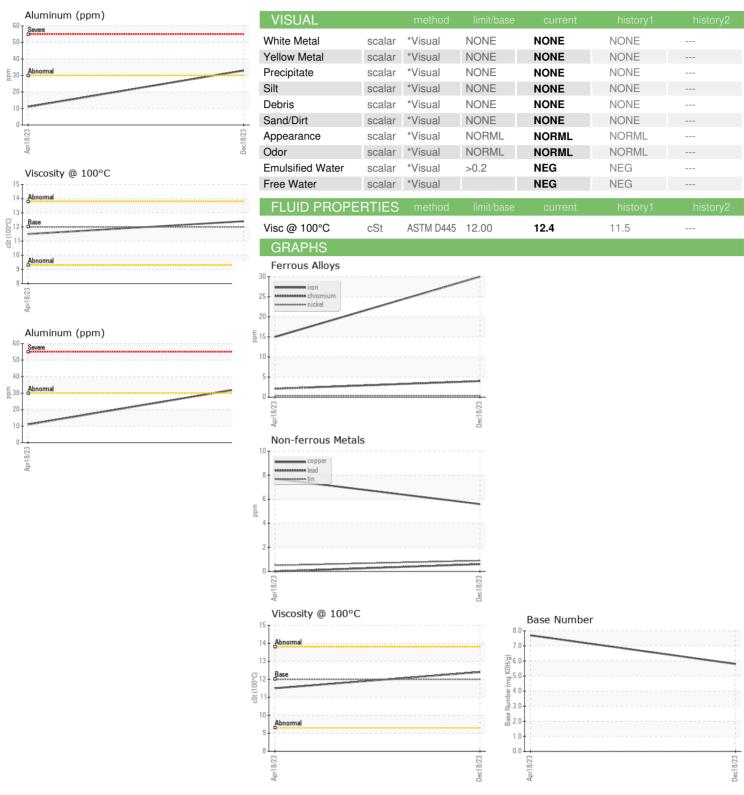
### Fluid Condition

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

GAL)			Apr2023	Dec2023		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0103494	PCA0094966	
Sample Date		Client Info		18 Dec 2023	18 Apr 2023	
Machine Age	mls	Client Info		338281	283672	
Oil Age	mls	Client Info		60000	40000	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<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	>80	30	15	
Chromium	ppm	ASTM D5185m	>5	4	2	
Nickel	ppm	ASTM D5185m	>2	<1	<1	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>30	33	11	
Lead	ppm	ASTM D5185m	>30	<1	0	
Copper	ppm	ASTM D5185m	>150	6	8	
Tin	ppm	ASTM D5185m	>5	<1	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	6	10	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	50	61	57	
Manganese	ppm	ASTM D5185m	0	<1	<1	
Magnesium	ppm	ASTM D5185m	950	959	827	
Calcium	ppm	ASTM D5185m	1050	1124	1202	
Phosphorus	ppm	ASTM D5185m	995	1089	996	
Zinc	ppm	ASTM D5185m	1180	1372	1218	
Sulfur	ppm	ASTM D5185m	2600	3024	2819	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	5	4	
Sodium	ppm	ASTM D5185m		3	0	
Potassium	ppm	ASTM D5185m	>20	64	24	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.9	0.4	
Nitration	Abs/cm	*ASTM D7624	>20	9.5	7.6	
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.7	18.9	
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.0	14.8	
Base Number (BN)	mg KOH/g	ASTM D2896		5.8	7.7	



## **OIL ANALYSIS REPORT**







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

: PCA0103494 : 06054680 : 10820629

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved

: 08 Jan 2024 Diagnosed : 09 Jan 2024 : Wes Davis Diagnostician

Transervice - Shop 1369 - Berkeley-Waxahachie 710 Ovilla Road

Waxahachie, TX US 75167 Contact: Robert Beal

rbeal@transervice.com T: (972)923-9928 F: (972)923-9919

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)

Report Id: TSV1369 [WUSCAR] 06054680 (Generated: 01/09/2024 15:40:04) Rev: 1

Contact/Location: Robert Beal - TSV1369