

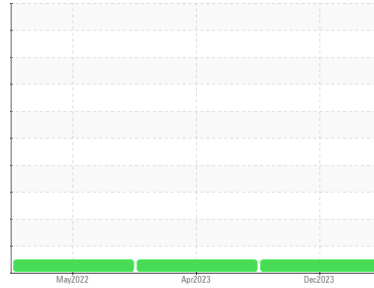
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
(89725X) Walgreens - Tractor
 Machine Id
[Walgreens - Tractor] 136A67164
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (11 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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0111779	PCA0095132	PCA0075485
Sample Date	Client Info		06 Dec 2023	12 Apr 2023	27 May 2022
Machine Age	mls Client Info		490989	460628	420803
Oil Age	mls Client Info		30361	39825	25731
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	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

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>110	13	8	13
Chromium	ppm ASTM D5185m	>4	0	1	<1
Nickel	ppm ASTM D5185m	>2	4	<1	3
Titanium	ppm ASTM D5185m		0	<1	0
Silver	ppm ASTM D5185m	>2	0	0	<1
Aluminum	ppm ASTM D5185m	>25	4	3	3
Lead	ppm ASTM D5185m	>45	<1	<1	<1
Copper	ppm ASTM D5185m	>85	16	4	13
Tin	ppm ASTM D5185m	>4	0	<1	<1
Vanadium	ppm ASTM D5185m		<1	1	0
Cadmium	ppm ASTM D5185m		0	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	2	4	4	7
Barium	ppm ASTM D5185m	0	0	0	0
Molybdenum	ppm ASTM D5185m	50	54	55	63
Manganese	ppm ASTM D5185m	0	0	2	<1
Magnesium	ppm ASTM D5185m	950	863	820	849
Calcium	ppm ASTM D5185m	1050	1089	900	1061
Phosphorus	ppm ASTM D5185m	995	1011	874	918
Zinc	ppm ASTM D5185m	1180	1211	1071	1148
Sulfur	ppm ASTM D5185m	2600	2973	2905	2960

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>30	4	6	4
Sodium	ppm ASTM D5185m		2	8	1
Potassium	ppm ASTM D5185m	>20	<1	9	<1

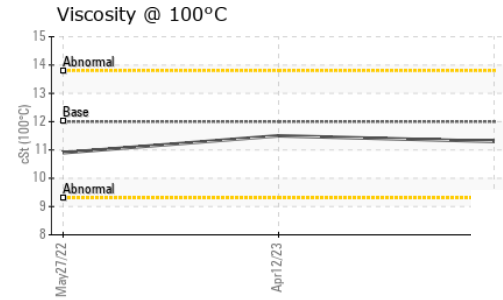
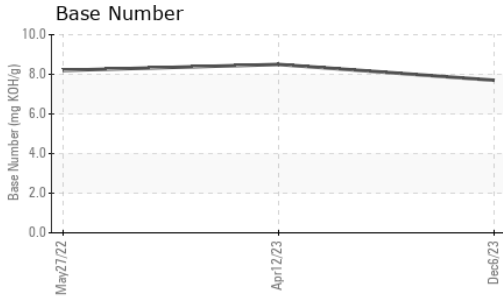
INFRA-RED

	method	limit/base	current	history1	history2
Soot %	% *ASTM D7844	>3	0.5	0.3	0.4
Nitration	Abs/cm *ASTM D7624	>20	8.9	5.4	8.7
Sulfation	Abs/.1mm *ASTM D7415	>30	19.6	18.2	18.9

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414	>25	16.0	13.7	14.7
Base Number (BN)	mg KOH/g ASTM D2896		7.7	8.5	8.2

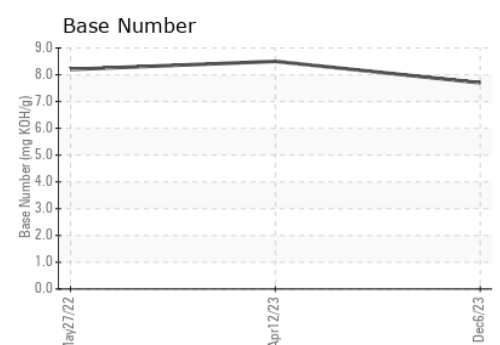
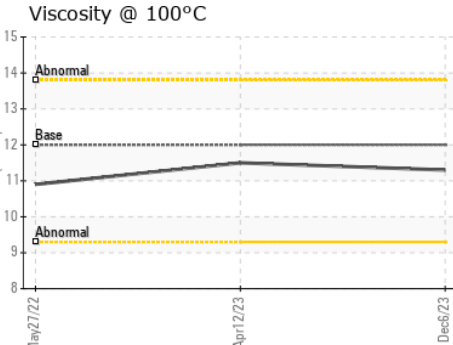
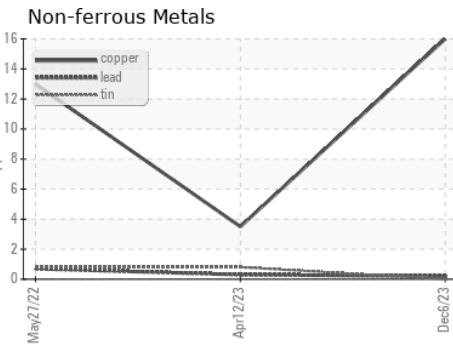
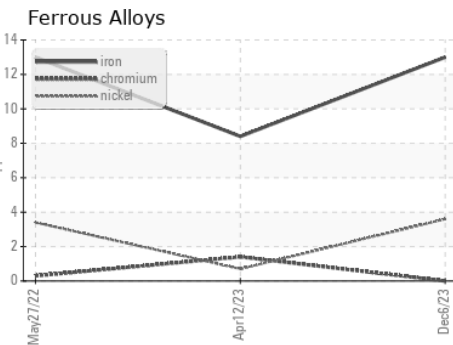
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	12.00	11.3	11.5	10.9

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0111779 **Received** : 22 Dec 2023
Lab Number : **06042831** **Diagnosed** : 26 Dec 2023
Unique Number : 10803439 **Diagnostician** : Wes Davis
Test Package : FLEET

Transervice - Shop 1373 - Berkeley-Anderson/Pendergrass
 101 Alliance Parkway
 Willamston, SC
 US 29697
 Contact: Sonny Boucher
 sboucher@transervice.com
 T: (864)226-2304
 F: (864)226-2329

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)