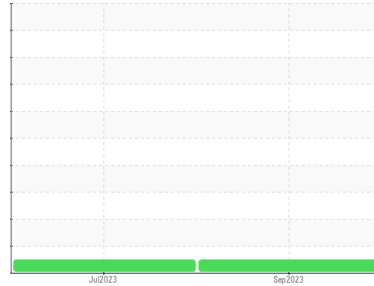


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
(89532X) Walgreens - Tractor
Machine Id
[Walgreens - Tractor] 136A66203
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	PCA0105846	PCA0091553	---
Sample Date	Client Info	21 Sep 2023	27 Jul 2023	---
Machine Age	mls	Client Info	727740	705554
Oil Age	mls	Client Info	705554	25000
Oil Changed	Client Info	N/A	Oil Added	---
Sample Status		NORMAL	NORMAL	---

CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	<1.0
Glycol	WC Method		NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>110	28	17
Chromium	ppm	ASTM D5185m	>4	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	0
Titanium	ppm	ASTM D5185m		0	0
Silver	ppm	ASTM D5185m	>2	0	0
Aluminum	ppm	ASTM D5185m	>25	4	3
Lead	ppm	ASTM D5185m	>45	<1	0
Copper	ppm	ASTM D5185m	>85	4	3
Tin	ppm	ASTM D5185m	>4	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1
Cadmium	ppm	ASTM D5185m		0	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	2	0	0
Barium	ppm	ASTM D5185m	0	2	0
Molybdenum	ppm	ASTM D5185m	50	65	63
Manganese	ppm	ASTM D5185m	0	<1	<1
Magnesium	ppm	ASTM D5185m	950	1000	1018
Calcium	ppm	ASTM D5185m	1050	1094	1188
Phosphorus	ppm	ASTM D5185m	995	1049	1066
Zinc	ppm	ASTM D5185m	1180	1280	1263
Sulfur	ppm	ASTM D5185m	2600	3006	3564

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>30	14	12
Sodium	ppm	ASTM D5185m		1	2
Potassium	ppm	ASTM D5185m	>20	2	0

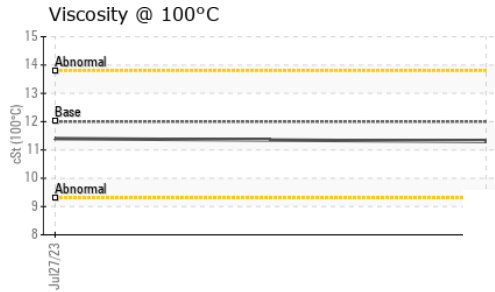
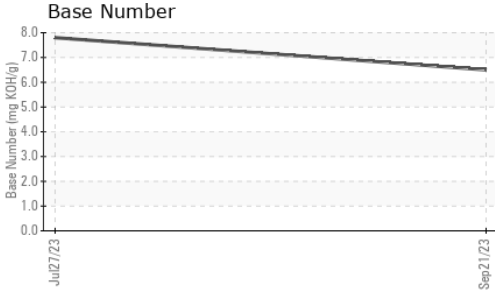
INFRA-RED

method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.8	0.6
Nitration	Abs/cm	*ASTM D7624	>20	9.7	8.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.9	18.9

FLUID DEGRADATION

method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.7	15.4
Base Number (BN)	mg KOH/g	ASTM D2896		6.5	7.8

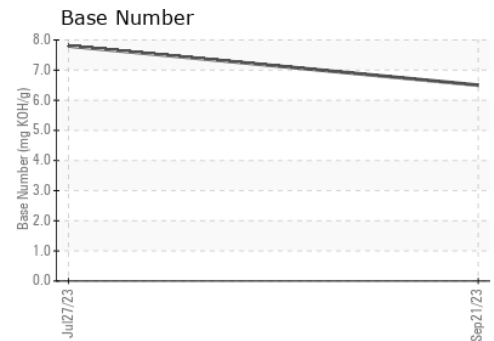
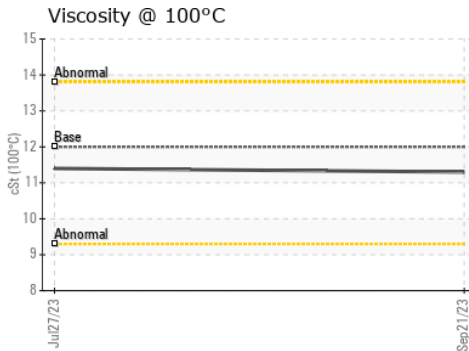
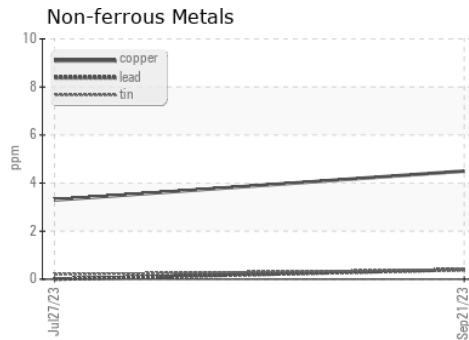
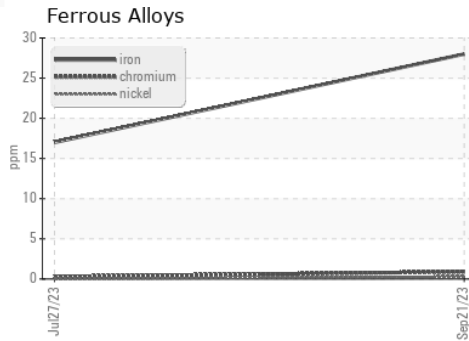
OIL ANALYSIS REPORT



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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	12.00	11.3	11.4	---

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0105846 **Received** : 28 Sep 2023
Lab Number : **05964146** **Diagnosed** : 29 Sep 2023
Unique Number : 10670697 **Diagnostician** : Wes Davis
Test Package : FLEET

Transervice - Shop 1361 - Berkeley-Windsor
 4400 State Road 19
 Windsor, WI
 US 53598
 Contact: Mike Hurda
 mhurda@transervice.com
 T: (608)846-2726
 F: (608)846-0389

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)