



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(89759X) Walgreens - Tractor
Machine Id
[Walgreens - Tractor] 136A67198
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (11 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0103653	PCA0093575	PCA0093637
Sample Date		Client Info		19 Feb 2024	01 Sep 2023	05 May 2023
Machine Age	mls	Client Info		682462	660128	648550
Oil Age	mls	Client Info		22377	20828	0
Filter Age	mls	Client Info		22377	20828	0
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>110	12	7	7
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	<1	0
Titanium	ppm	ASTM D5185m		1	2	2
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	9	5	6
Lead	ppm	ASTM D5185m	>45	<1	<1	0
Copper	ppm	ASTM D5185m	>85	3	<1	<1
Tin	ppm	ASTM D5185m	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

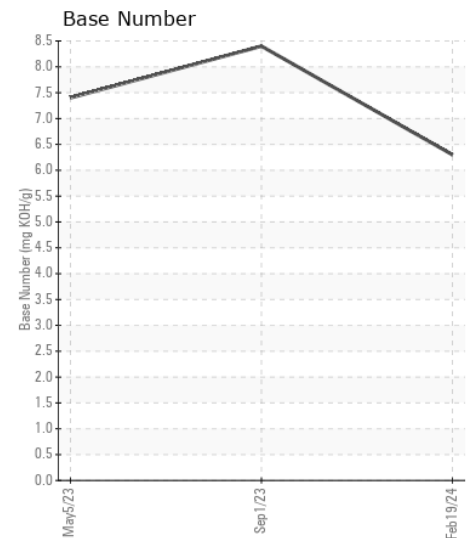
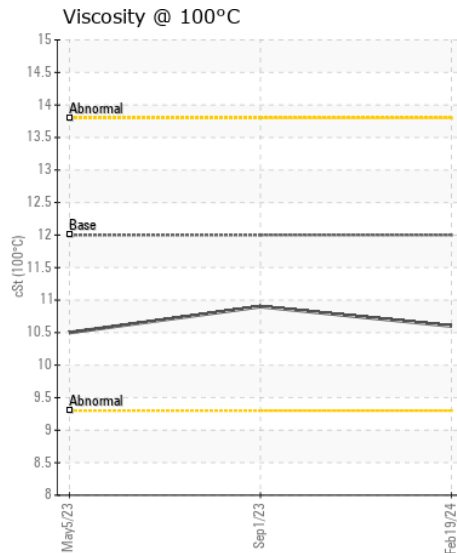
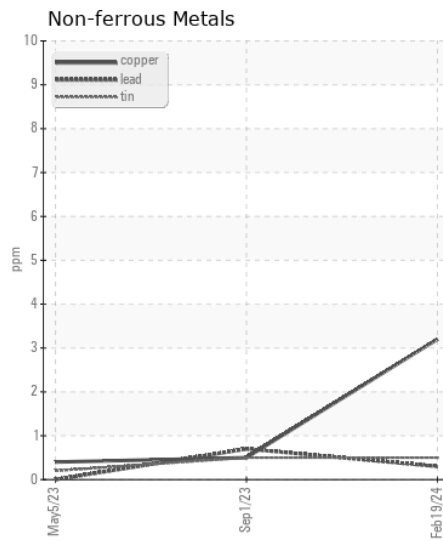
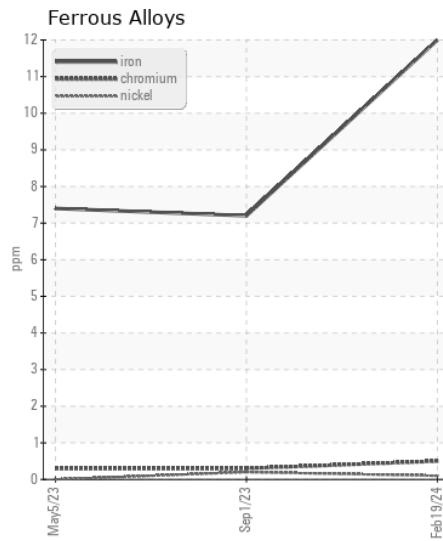
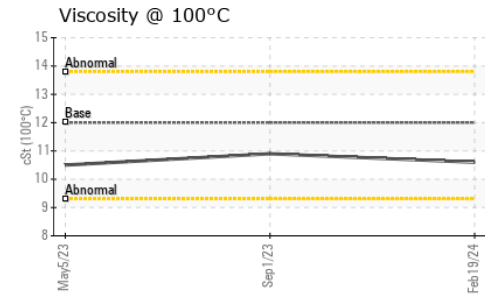
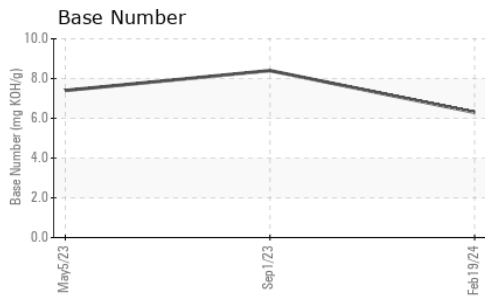
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	6	4	3
Potassium	ppm	ASTM D5185m	>20	17	15	17
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.3	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	8.4	6.2	7.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.3	16.9	17.1
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

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.

Sodium	ppm	ASTM D5185m		2	2	<1
Boron	ppm	ASTM D5185m	2	7	7	7
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	50	34	52	48
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	950	521	852	758
Calcium	ppm	ASTM D5185m	1050	1524	1103	984
Phosphorus	ppm	ASTM D5185m	995	931	1034	923
Zinc	ppm	ASTM D5185m	1180	1110	1195	1104
Sulfur	ppm	ASTM D5185m	2600	4113	3848	3407
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.6	12.6	12.6
Base Number (BN)	mg KOH/g	ASTM D2896		6.3	8.4	7.4
Visc @ 100°C	cSt	ASTM D445	12.00	10.6	10.9	10.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0103653
Lab Number : 06121389
Unique Number : 10930222
Test Package : FLEET

Received : 18 Mar 2024
Tested : 19 Mar 2024
Diagnosed : 19 Mar 2024 - Wes Davis

Transervice - Shop 1365 - Berkeley-Nazareth
 6813 Chrisphalt Drive
 Bath Borough, PA
 US 18014
 Contact: Stephen Mackes
 smackes@transervice.com
 T: (610)837-8103
 F: (610)837-8105

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)