



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Walgreens - Tractor
 Machine Id
[Walgreens - Tractor] 136A63286
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (11 GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0103647	PCA0103709	PCA0093609
Sample Date		Client Info		05 Feb 2024	06 Nov 2023	25 Jul 2023
Machine Age	mls	Client Info		92838	62512	35735
Oil Age	mls	Client Info		22921	22512	35735
Filter Age	mls	Client Info		22921	22512	35735
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

Exhaust valve wear is indicated.

Iron	ppm	ASTM D5185m	>100	11	19	60
Chromium	ppm	ASTM D5185m	>20	<1	1	2
Nickel	ppm	ASTM D5185m	>4	▲ 4	0	<1
Titanium	ppm	ASTM D5185m		<1	5	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	4	11	23
Lead	ppm	ASTM D5185m	>40	<1	3	5
Copper	ppm	ASTM D5185m	>330	12	5	22
Tin	ppm	ASTM D5185m	>15	<1	<1	3
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

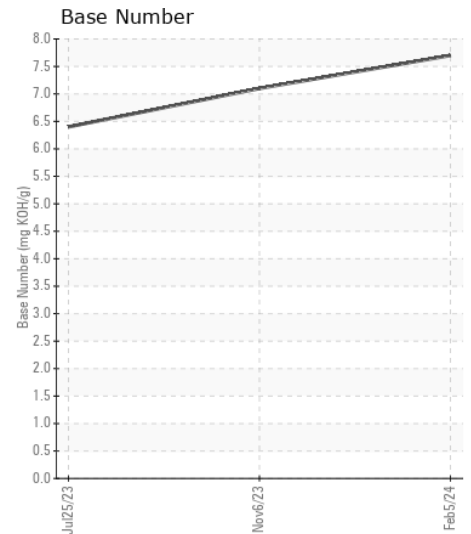
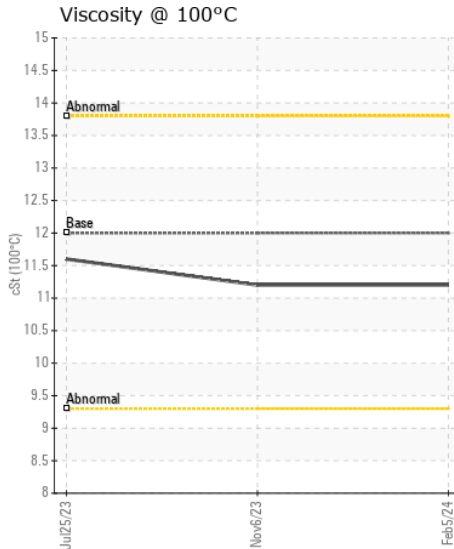
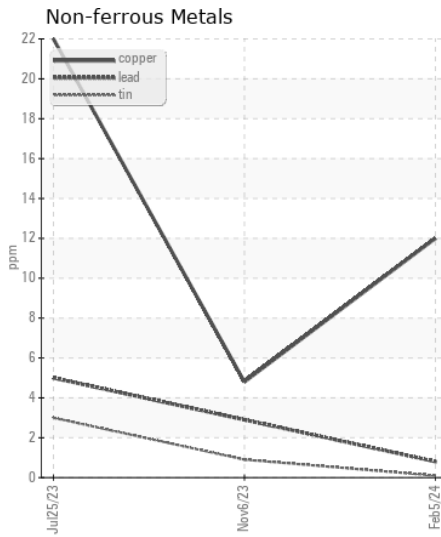
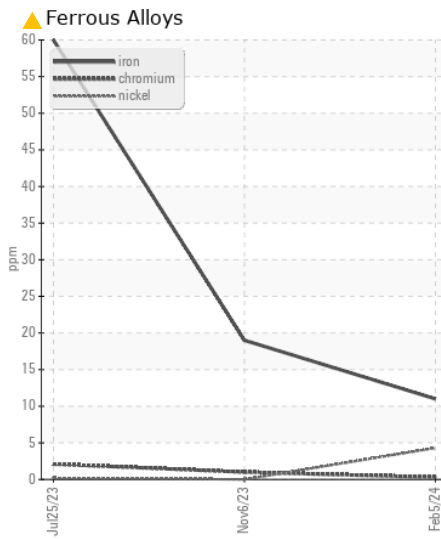
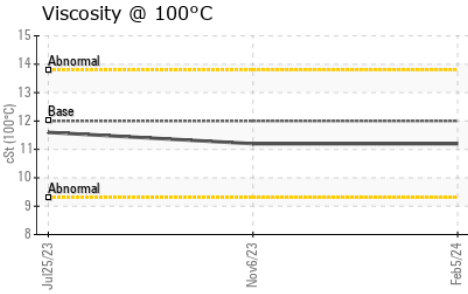
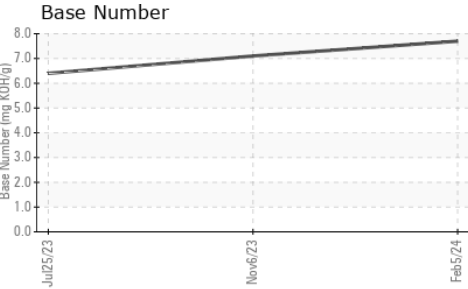
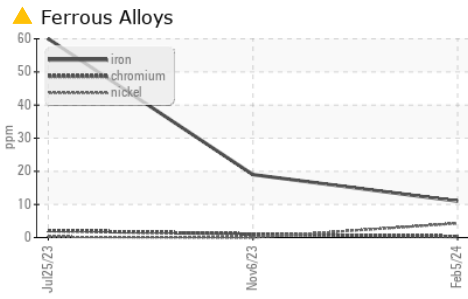
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	6	10	38
Potassium	ppm	ASTM D5185m	>20	13	30	73
Fuel		WC Method	>2.0	<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	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	7.9	8.4	9.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.3	19.7	22.0
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		<1	2	6
Boron	ppm	ASTM D5185m	2	7	5	33
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	50	50	53	69
Manganese	ppm	ASTM D5185m	0	0	<1	5
Magnesium	ppm	ASTM D5185m	950	752	851	499
Calcium	ppm	ASTM D5185m	1050	1156	1150	1831
Phosphorus	ppm	ASTM D5185m	995	968	929	1030
Zinc	ppm	ASTM D5185m	1180	1151	1264	1269
Sulfur	ppm	ASTM D5185m	2600	3281	2979	3310
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.4	15.6	19.0
Base Number (BN)	mg KOH/g	ASTM D2896		7.7	7.1	6.4
Visc @ 100°C	cSt	ASTM D445	12.00	11.2	11.2	11.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0103647
Lab Number : 06086834
Unique Number : 10874279
Test Package : FLEET

Received : 13 Feb 2024
Tested : 13 Feb 2024
Diagnosed : 14 Feb 2024 - Sean Felton

Transervice - Shop 1365 - Berkeley-Nazareth
 6813 Chrisphalt Drive
 Bath Borough, PA
 US 18014
 Contact: Stephen Mackes
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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)