



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(3130697) Dairy Farms of America-Tractor
Machine Id
[Dairy Farms of America-Tractor] 268A722018
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		PCA0103920	PCA0103925	---
Sample Date		Client Info		09 Apr 2024	01 Dec 2023	---
Machine Age	mls	Client Info		241343	201785	---
Oil Age	mls	Client Info		40000	40000	---
Filter Age	mls	Client Info		40000	40000	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	ATTENTION	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>80	22	18	---
Chromium	ppm	ASTM D5185m	>5	<1	<1	---
Nickel	ppm	ASTM D5185m	>2	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>30	4	4	---
Lead	ppm	ASTM D5185m	>30	0	0	---
Copper	ppm	ASTM D5185m	>150	13	7	---
Tin	ppm	ASTM D5185m	>5	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

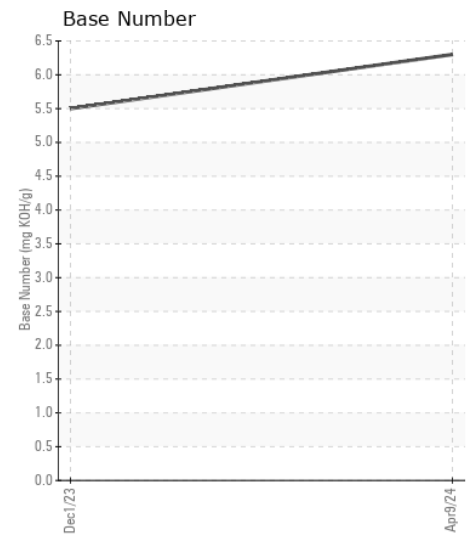
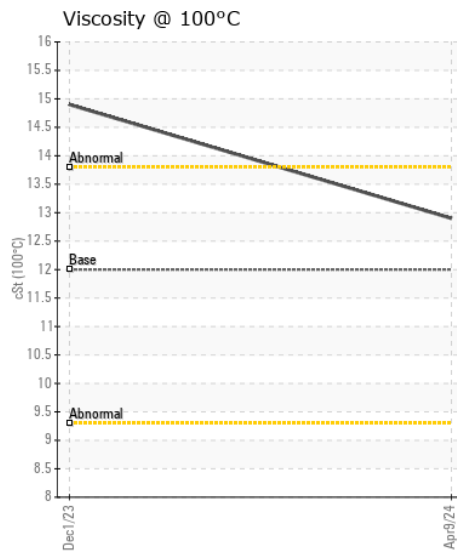
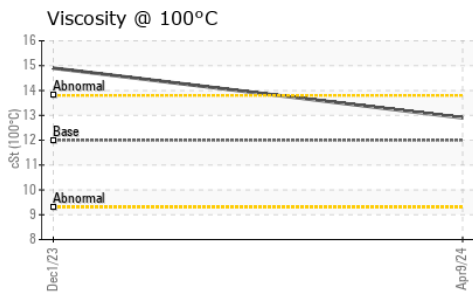
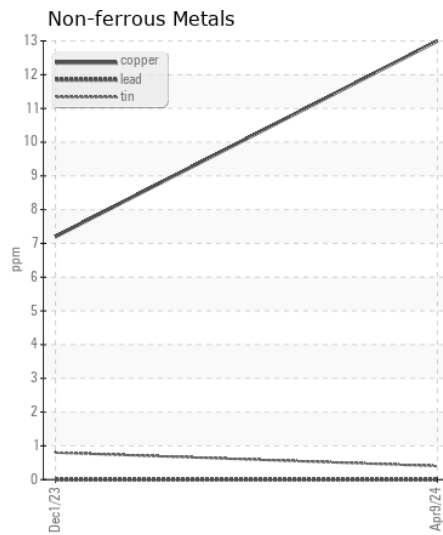
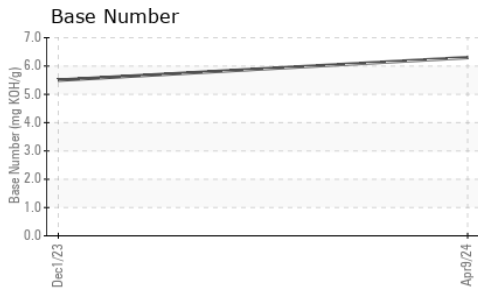
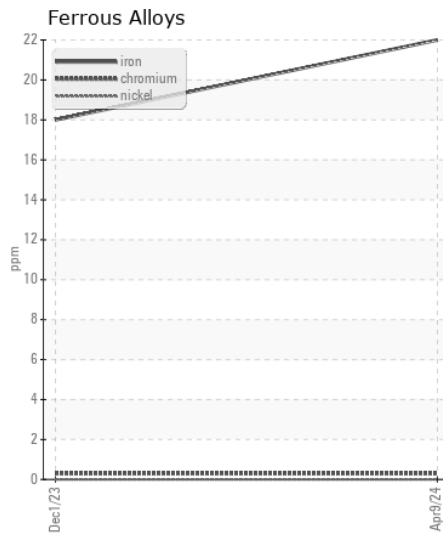
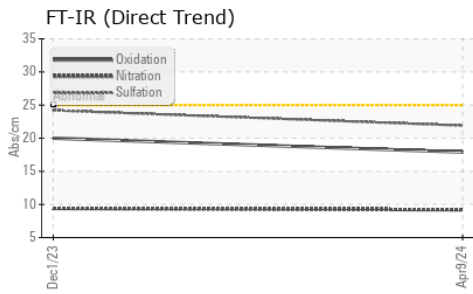
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	4	6	---
Potassium	ppm	ASTM D5185m	>20	2	4	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.8	0.7	---
Nitration	Abs/cm	*ASTM D7624	>20	9.2	9.4	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.9	24.2	---
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	---

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	---
Boron	ppm	ASTM D5185m	2	11	103	---
Barium	ppm	ASTM D5185m	0	0	0	---
Molybdenum	ppm	ASTM D5185m	50	71	98	---
Manganese	ppm	ASTM D5185m	0	<1	<1	---
Magnesium	ppm	ASTM D5185m	950	879	512	---
Calcium	ppm	ASTM D5185m	1050	1145	1340	---
Phosphorus	ppm	ASTM D5185m	995	969	713	---
Zinc	ppm	ASTM D5185m	1180	1186	848	---
Sulfur	ppm	ASTM D5185m	2600	2821	2223	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.9	20.0	---
Base Number (BN)	mg KOH/g	ASTM D2896		6.3	5.5	---
Visc @ 100°C	cSt	ASTM D445	12.00	12.9	14.9	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0103920
Lab Number : 06158878
Unique Number : 10994301
Test Package : FLEET

Received : 24 Apr 2024
Tested : 25 Apr 2024
Diagnosed : 25 Apr 2024 - Wes Davis

Transervice - Shop 2680 - LeMars
 1330 12th Ave SW
 LeMars, IA
 US 51031

Contact: Stacey Rabey
 srabey@transervice.com
 T: (712)501-9908

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)

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