



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(3130613) Dairy Farms of America-Tractor
Machine Id
[Dairy Farms of America-Tractor] 268A722048
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		PCA0108293	PCA0108287	---
Sample Date		Client Info		22 May 2024	20 Oct 2023	---
Machine Age	mls	Client Info		142016	100114	---
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	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>80	26	33	---
Chromium	ppm	ASTM D5185m	>5	2	2	---
Nickel	ppm	ASTM D5185m	>2	0	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>3	<1	0	---
Aluminum	ppm	ASTM D5185m	>30	8	16	---
Lead	ppm	ASTM D5185m	>30	<1	0	---
Copper	ppm	ASTM D5185m	>150	31	66	---
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.

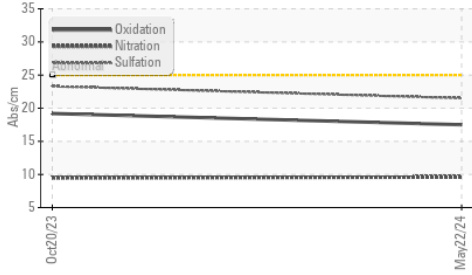
Silicon	ppm	ASTM D5185m	>20	5	7	---
Potassium	ppm	ASTM D5185m	>20	12	29	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	1	0.8	---
Nitration	Abs/cm	*ASTM D7624	>20	9.6	9.5	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.5	23.3	---
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

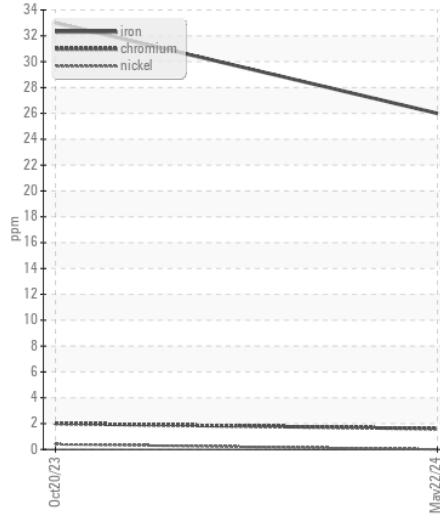
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		4	0	---
Boron	ppm	ASTM D5185m	2	10	134	---
Barium	ppm	ASTM D5185m	0	0	7	---
Molybdenum	ppm	ASTM D5185m	50	60	100	---
Manganese	ppm	ASTM D5185m	0	<1	<1	---
Magnesium	ppm	ASTM D5185m	950	678	478	---
Calcium	ppm	ASTM D5185m	1050	999	1404	---
Phosphorus	ppm	ASTM D5185m	995	780	868	---
Zinc	ppm	ASTM D5185m	1180	947	1045	---
Sulfur	ppm	ASTM D5185m	2600	2248	2576	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.5	19.2	---
Base Number (BN)	mg KOH/g	ASTM D2896		6.3	4.1	---
Visc @ 100°C	cSt	ASTM D445	12.00	12.6	13.0	---

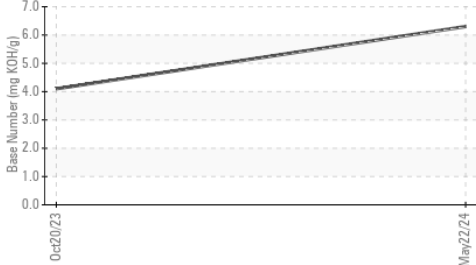
FT-IR (Direct Trend)



Ferrous Alloys



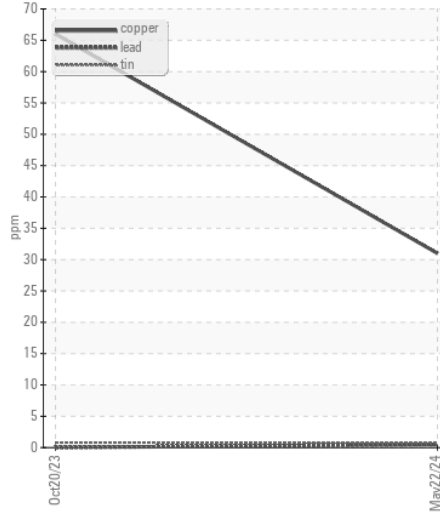
Base Number



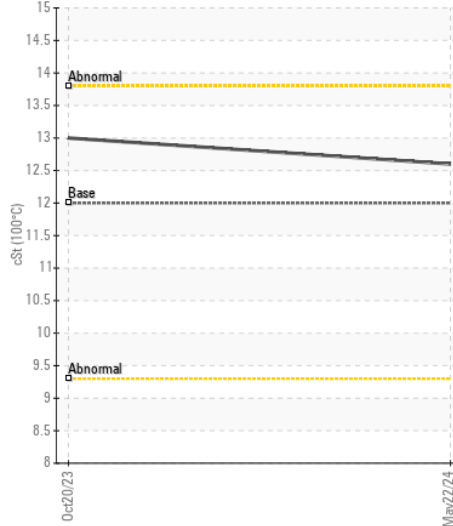
Viscosity @ 100°C



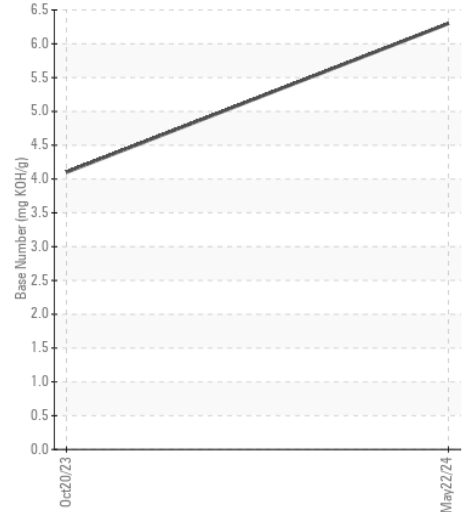
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : PCA0108293
 Lab Number : 06196110
 Unique Number : 11058233
 Test Package : FLEET

Received : 30 May 2024
 Tested : 31 May 2024
 Diagnosed : 31 May 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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