



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
2126893
 Component
Main Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (15 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0116276	PCA0108094	PCA0104847
Sample Date		Client Info		07 Apr 2024	07 Nov 2023	05 Oct 2023
Machine Age	days	Client Info		30	30	30
Oil Age	days	Client Info		30	30	30
Filter Age	days	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>90	9	9	6
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	1	1	0
Lead	ppm	ASTM D5185m	>40	1	<1	0
Copper	ppm	ASTM D5185m	>330	<1	1	<1
Tin	ppm	ASTM D5185m	>15	1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

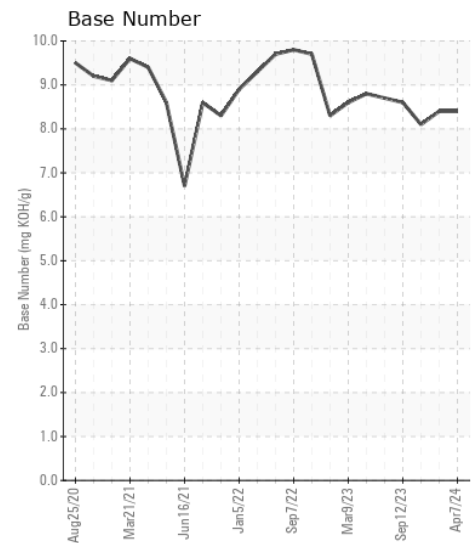
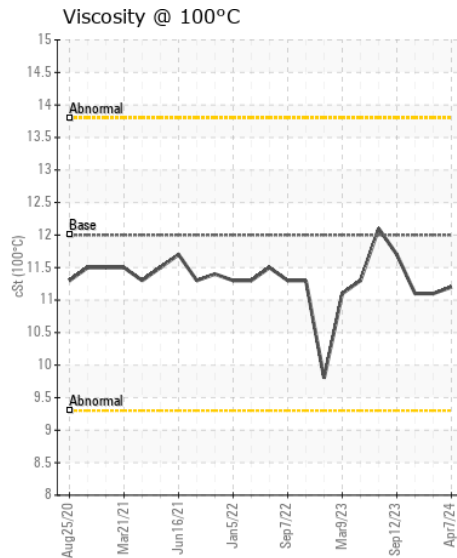
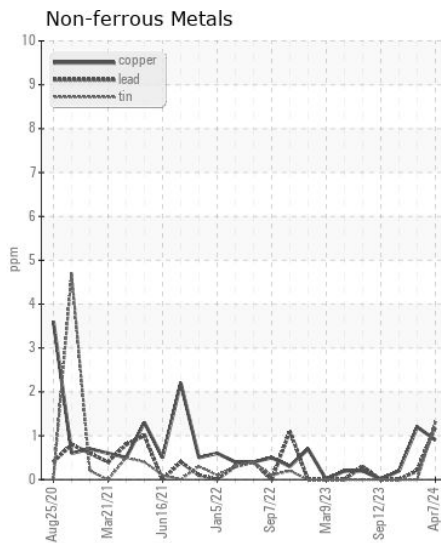
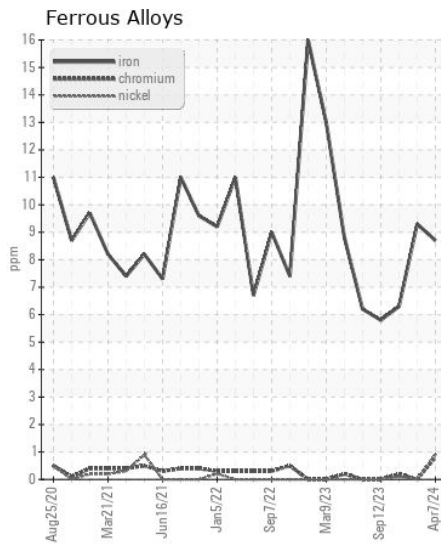
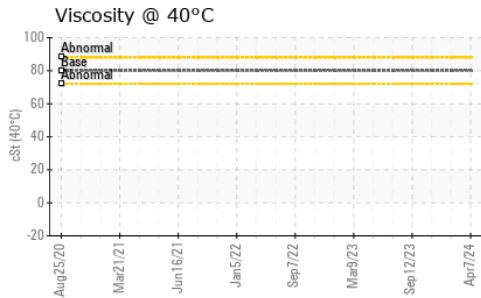
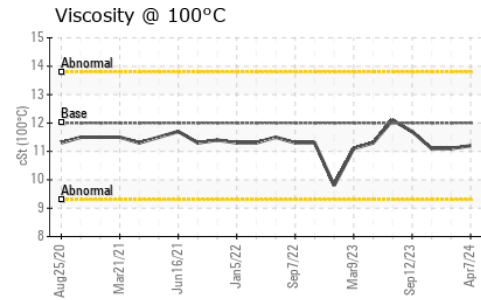
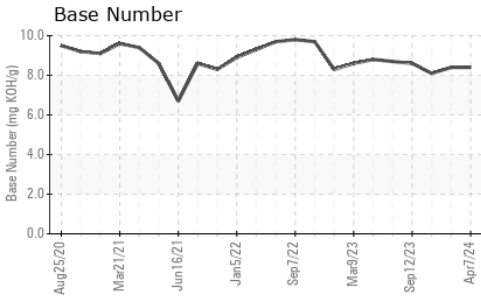
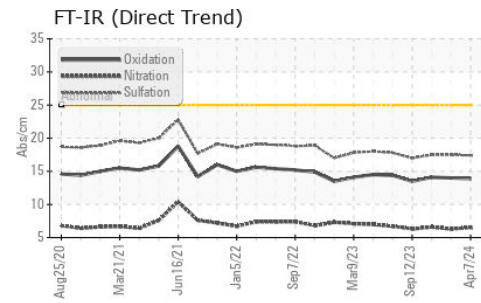
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	4	3	3
Potassium	ppm	ASTM D5185m	>20	2	<1	1
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>6	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	6.5	6.3	6.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.4	17.5	17.5
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		0	<1	0
Boron	ppm	ASTM D5185m	2	4	9	7
Barium	ppm	ASTM D5185m	0	<1	0	1
Molybdenum	ppm	ASTM D5185m	50	59	60	61
Manganese	ppm	ASTM D5185m	0	1	0	<1
Magnesium	ppm	ASTM D5185m	950	847	998	850
Calcium	ppm	ASTM D5185m	1050	1048	1064	1015
Phosphorus	ppm	ASTM D5185m	995	1025	1049	970
Zinc	ppm	ASTM D5185m	1180	1116	1325	1152
Sulfur	ppm	ASTM D5185m	2600	3053	3346	3012
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.9	14.0	14.1
Base Number (BN)	mg KOH/g	ASTM D2896		8.4	8.4	8.1
Visc @ 100°C	cSt	ASTM D445	12.00	11.2	11.1	11.1



Certificate 12367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0116276 **Received** : 12 Apr 2024
Lab Number : 06146873 **Tested** : 16 Apr 2024
Unique Number : 10976951 **Diagnosed** : 16 Apr 2024 - Jonathan Hester
Test Package : FLEET (Additional Tests: KV40)

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)

PERDUE FARMS - DILLON
 2047 HWY 9 WEST
 DILLON, SC
 US 29536

Contact: KEVIN HOOKS
 kevin.hooks@perdue.com

T: (843)841-8069

F: (843)841-8070