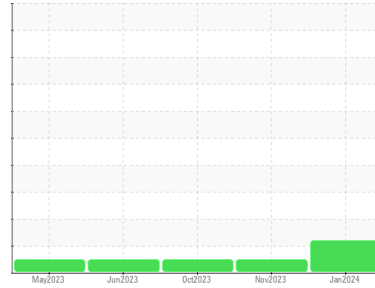


OIL ANALYSIS REPORT

Sample Rating Trend



FUEL



Area
(N/A) Walgreens - Yard Horse
Machine Id
[Walgreens - Yard Horse] 136A82001
Component
Diesel Engine
Fluid
PETRO CANADA DURON UHP E6 10W40 (11 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Light fuel dilution occurring.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0105452	PCA0105392	PCA0105413
Sample Date	Client Info	09 Jan 2024	27 Nov 2023	19 Oct 2023
Machine Age	hrs	12067	11641	11339
Oil Age	hrs	426	1326	1004
Oil Changed	Client Info	Not Chngd	Changed	Not Chngd
Sample Status		ABNORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	NEG	NEG
Glycol	WC Method	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >100	7	2	8
Chromium	ppm ASTM D5185m >20	<1	<1	<1
Nickel	ppm ASTM D5185m >4	2	<1	3
Titanium	ppm ASTM D5185m	0	0	<1
Silver	ppm ASTM D5185m >3	<1	0	0
Aluminum	ppm ASTM D5185m >20	2	1	3
Lead	ppm ASTM D5185m >40	0	0	0
Copper	ppm ASTM D5185m >330	<1	<1	2
Tin	ppm ASTM D5185m >15	<1	0	0
Vanadium	ppm ASTM D5185m	0	0	<1
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 0	7	4	10
Barium	ppm ASTM D5185m 0	0	2	0
Molybdenum	ppm ASTM D5185m 0	56	58	59
Manganese	ppm ASTM D5185m 0	<1	0	0
Magnesium	ppm ASTM D5185m 80	906	870	875
Calcium	ppm ASTM D5185m 2400	993	1017	1037
Phosphorus	ppm ASTM D5185m 750	1023	926	955
Zinc	ppm ASTM D5185m 840	1234	1146	1205
Sulfur	ppm ASTM D5185m 2130	2980	3205	3088

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >25	3	5	2
Sodium	ppm ASTM D5185m	2	0	0
Potassium	ppm ASTM D5185m >20	2	1	3
Fuel	% ASTM D3524 >5	▲ 2.8	<1.0	<1.0

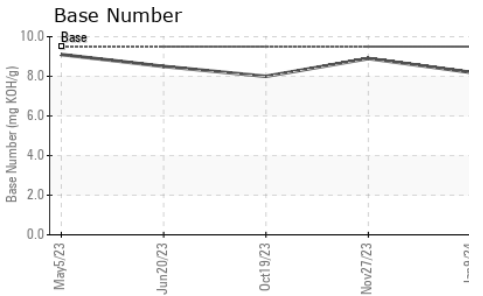
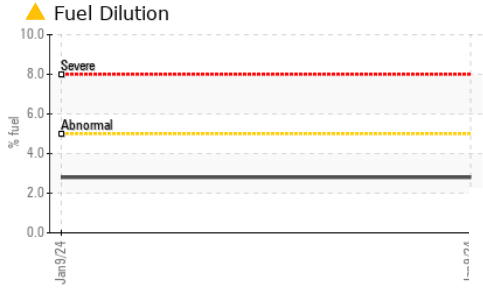
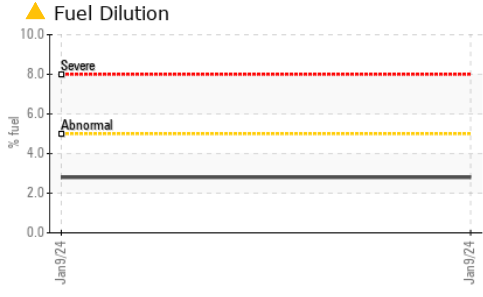
INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	0.2	0.1	0.2
Nitration	Abs/cm *ASTM D7624 >20	7.0	4.7	7.6
Sulfation	Abs/.1mm *ASTM D7415 >30	18.3	17.3	18.7

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	14.5	13.3	15.5
Base Number (BN)	mg KOH/g ASTM D2896 9.5	8.2	8.9	8.0

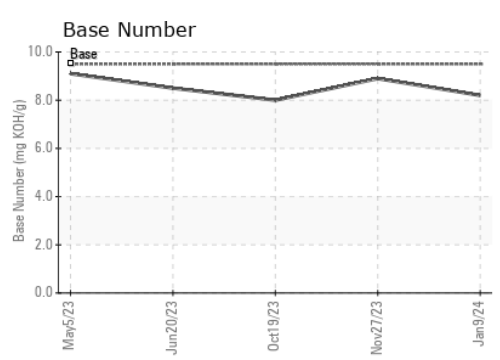
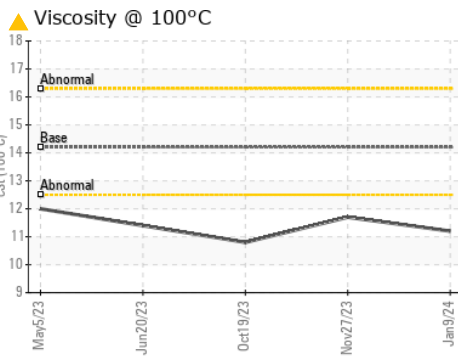
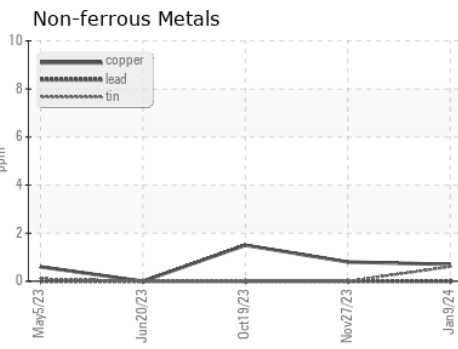
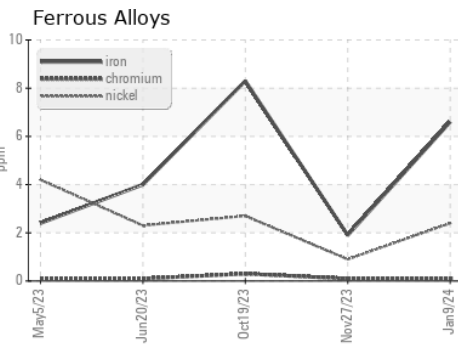
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
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
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	14.2	▲ 11.2	11.7	10.8

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0105452 **Received** : 05 Feb 2024
Lab Number : 06080512 **Diagnosed** : 07 Feb 2024
Unique Number : 10862603 **Diagnostician** : Wes Davis
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

Transervice - Shop 1366 - Berkeley-Woodland
 2370 East Main Street
 Woodland, CA
 US 95776
 Contact: Gary Mann
 gmanna@transervice.com
 T: (530)666-7771
 F: (530)406-7971

Certificate L2367
 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)