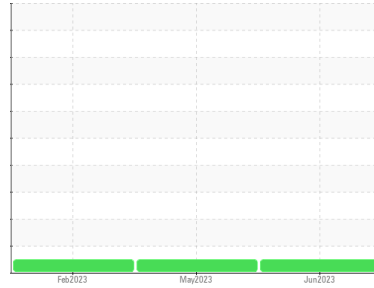


OIL ANALYSIS REPORT

Sample Rating Trend
NORMAL


Area
(89641X) Walgreens
 Machine Id
[Walgreens] 136A69061
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (11 GAL)

DIAGNOSIS
Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

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.

SAMPLE INFORMATION

method	limit/base	current	history 1	history 2
Sample Number	Client Info	PCA0100243	PCA0094712	PCA0089863
Sample Date	Client Info	26 Jun 2023	22 May 2023	08 Feb 2023
Machine Age	mls Client Info	676189	674953	659134
Oil Age	mls Client Info	44959	42723	26904
Oil Changed	Client Info	Changed	Not Changd	Not Changd
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history 1	history 2
Fuel	WC Method >5	<1.0	<1.0	<1.0
Glycol	WC Method	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history 1	history 2
Iron	ppm ASTM D5185m >80	31	24	17
Chromium	ppm ASTM D5185m >5	2	2	2
Nickel	ppm ASTM D5185m >2	<1	<1	0
Titanium	ppm ASTM D5185m	<1	<1	<1
Silver	ppm ASTM D5185m >3	0	<1	0
Aluminum	ppm ASTM D5185m >30	16	12	7
Lead	ppm ASTM D5185m >30	0	0	0
Copper	ppm ASTM D5185m >150	4	3	2
Tin	ppm ASTM D5185m >5	<1	<1	<1
Vanadium	ppm ASTM D5185m	0	<1	0
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history 1	history 2
Boron	ppm ASTM D5185m 2	<1	0	0
Barium	ppm ASTM D5185m 0	0	0	0
Molybdenum	ppm ASTM D5185m 50	82	62	61
Manganese	ppm ASTM D5185m 0	<1	1	<1
Magnesium	ppm ASTM D5185m 950	1247	1062	924
Calcium	ppm ASTM D5185m 1050	1396	1151	1060
Phosphorus	ppm ASTM D5185m 995	1289	1053	1011
Zinc	ppm ASTM D5185m 1180	1620	1331	1185
Sulfur	ppm ASTM D5185m 2600	3825	3152	2750

CONTAMINANTS

method	limit/base	current	history 1	history 2
Silicon	ppm ASTM D5185m >20	7	5	4
Sodium	ppm ASTM D5185m	3	4	<1
Potassium	ppm ASTM D5185m >20	2	2	2

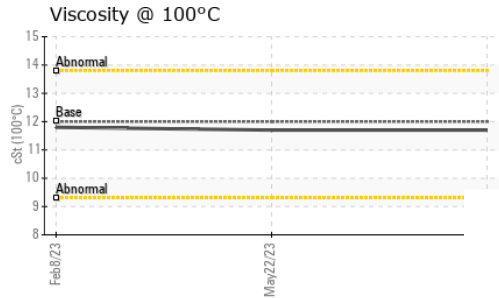
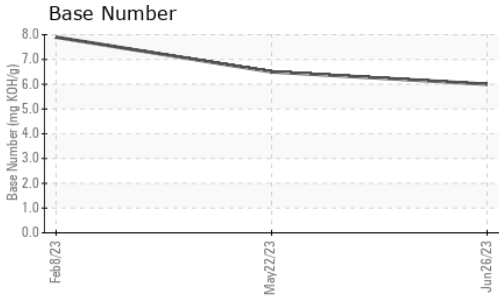
INFRA-RED

method	limit/base	current	history 1	history 2
Soot %	% *ASTM D7844 >3	0.7	0.7	0.5
Nitration	Abs/cm *ASTM D7624 >20	9.3	9.5	8.5
Sulfation	Abs/.1mm *ASTM D7415 >30	22.5	22.3	19.6

FLUID DEGRADATION

method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm *ASTM D7414 >25	19.7	18.8	16.1
Base Number (BN)	mg KOH/g ASTM D2896	6.0	6.5	7.9

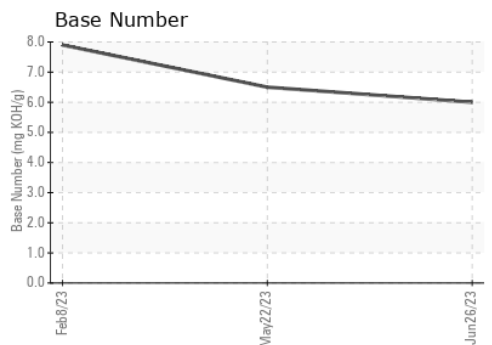
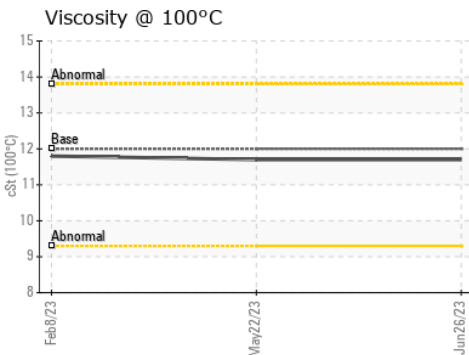
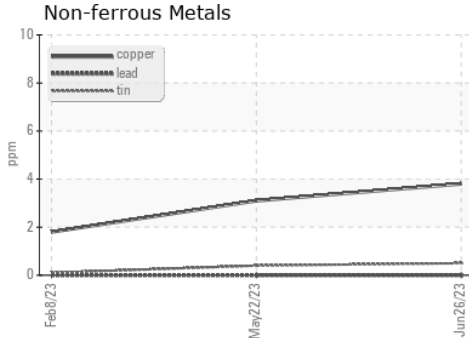
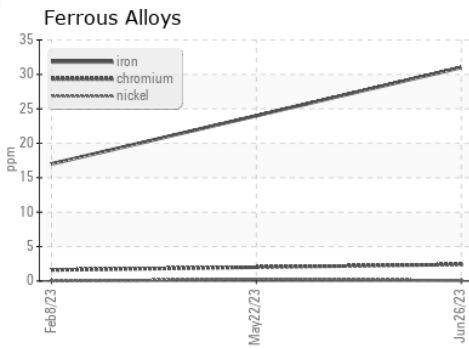
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history 1	history 2
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	history 1	history 2	
Visc @ 100°C	cSt	ASTM D445	12.00	11.7	11.7	11.8

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0100243 **Received** : 30 Jun 2023
Lab Number : **05888326** **Diagnosed** : 04 Jul 2023
Unique Number : 10538809 **Diagnostician** : Don Baldrige
Test Package : FLEET

Transervice - Shop 1364 - Berkeley-Mt. Vernon
 5100 Lake Terrace NE
 Mt. Vernon, IL
 US 62864
 Contact: Erien White
 ewhite@transervice.com
 T: (618)244-8726
 F: (618)244-8791

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)