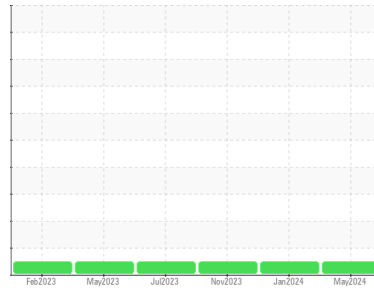


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
(97185X) Walgreens - Tractor
 Machine Id
[Walgreens - Tractor] 136A62096
 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	history1	history2
Sample Number	Client Info		PCA0118823	PCA0112864	PCA0103760
Sample Date	Client Info		13 May 2024	26 Jan 2024	15 Nov 2023
Machine Age	mls	Client Info	476407	443441	408192
Oil Age	mls	Client Info	32966	66144	30895
Oil Changed	Client Info		Not Changed	Changed	Not Changed
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	<1.0	<1.0
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 >80	24	28	14
Chromium	ppm	ASTM D5185m >5	2	2	1
Nickel	ppm	ASTM D5185m >2	<1	<1	0
Titanium	ppm	ASTM D5185m	<1	<1	0
Silver	ppm	ASTM D5185m >3	<1	0	0
Aluminum	ppm	ASTM D5185m >30	13	16	8
Lead	ppm	ASTM D5185m >30	<1	0	0
Copper	ppm	ASTM D5185m >150	10	6	3
Tin	ppm	ASTM D5185m >5	2	<1	<1
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	<1	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	2	0	2
Barium	ppm	ASTM D5185m 0	0	<1	0
Molybdenum	ppm	ASTM D5185m 50	67	66	60
Manganese	ppm	ASTM D5185m 0	<1	<1	<1
Magnesium	ppm	ASTM D5185m 950	976	975	985
Calcium	ppm	ASTM D5185m 1050	1175	1108	1061
Phosphorus	ppm	ASTM D5185m 995	923	993	1075
Zinc	ppm	ASTM D5185m 1180	1274	1285	1323
Sulfur	ppm	ASTM D5185m 2600	2777	2595	2831

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	5	3	3
Sodium	ppm	ASTM D5185m	0	0	<1
Potassium	ppm	ASTM D5185m >20	12	3	0

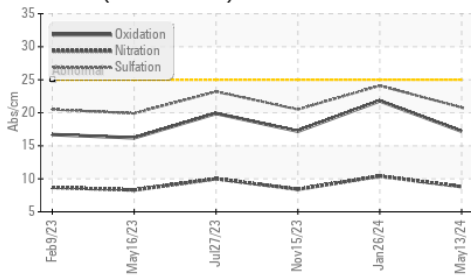
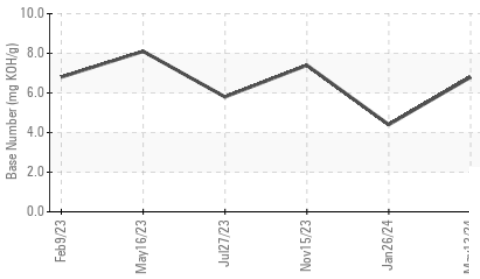
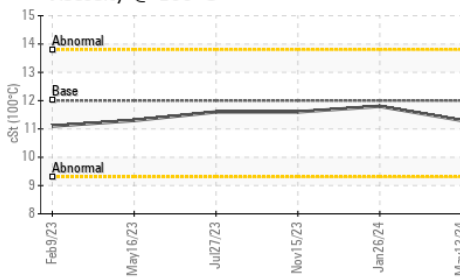
INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	0.6	0.9	0.5
Nitration	Abs/cm	*ASTM D7624 >20	8.8	10.4	8.4
Sulfation	Abs/.1mm	*ASTM D7415 >30	20.8	24.1	20.5

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	17.2	21.8	17.2
Base Number (BN)	mg KOH/g	ASTM D2896	6.8	4.4	7.4

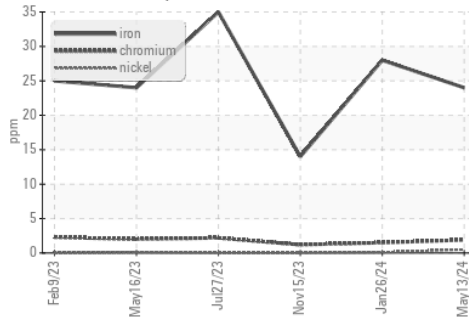
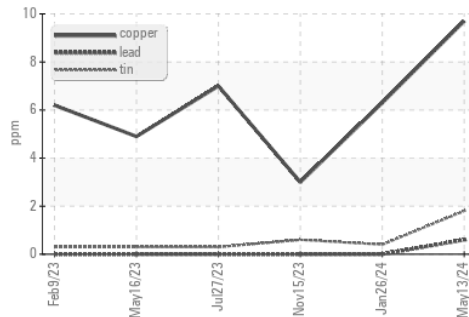
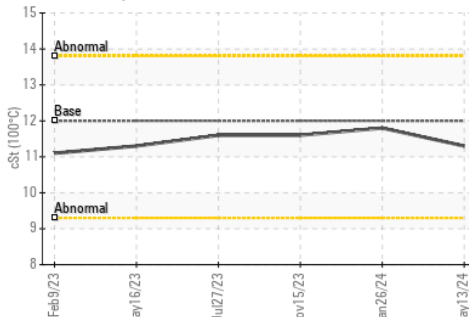
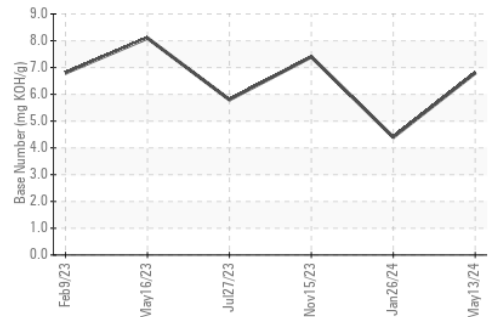
OIL ANALYSIS REPORT

FT-IR (Direct Trend)

Base Number

Viscosity @ 100°C


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	12.00	11.3	11.8	11.6

GRAPHS

Ferrous Alloys

Non-ferrous Metals

Viscosity @ 100°C

Base Number


Certificate L2367
 To discuss this sample report, contact Customer Service at 1-800-237-1369.

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0118823
Lab Number : **06190352**
Unique Number : 11047104
Test Package : FLEET
Received : 24 May 2024
Tested : 28 May 2024
Diagnosed : 28 May 2024 - Wes Davis

Transervice - Shop 1364 - Berkeley-Mt. Vernon
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