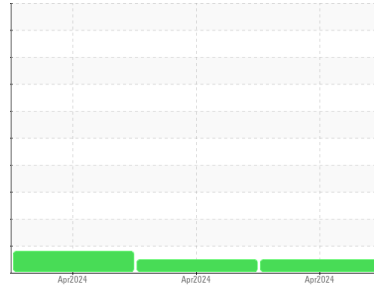


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
(71236Z) Walgreens - Tractor
 Machine Id
[Walgreens - Tractor] 136A624088
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (11 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

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		PCA0123039	PCA0123042	PCA0123043
Sample Date	Client Info		12 Apr 2024	04 Apr 2024	02 Apr 2024
Machine Age	mls	Client Info	35908	31028	31028
Oil Age	mls	Client Info	35908	31194	31028
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			NORMAL	---	ABNORMAL

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	10	54	44
Chromium	ppm	ASTM D5185m >5	<1	3	3
Nickel	ppm	ASTM D5185m >2	0	<1	<1
Titanium	ppm	ASTM D5185m	5	<1	<1
Silver	ppm	ASTM D5185m >3	<1	<1	0
Aluminum	ppm	ASTM D5185m >30	10	45	37
Lead	ppm	ASTM D5185m >30	0	0	1
Copper	ppm	ASTM D5185m >150	80	▲ 305	▲ 227
Tin	ppm	ASTM D5185m >5	3	▲ 13	3
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	24	● 37	32
Barium	ppm	ASTM D5185m 0	0	0	0
Molybdenum	ppm	ASTM D5185m 50	50	44	43
Manganese	ppm	ASTM D5185m 0	<1	5	4
Magnesium	ppm	ASTM D5185m 950	811	● 496	589
Calcium	ppm	ASTM D5185m 1050	1226	● 1797	1769
Phosphorus	ppm	ASTM D5185m 995	977	● 735	765
Zinc	ppm	ASTM D5185m 1180	1132	● 875	931
Sulfur	ppm	ASTM D5185m 2600	3395	2273	2494

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	4	8	6
Sodium	ppm	ASTM D5185m	2	5	7
Potassium	ppm	ASTM D5185m >20	25	121	95

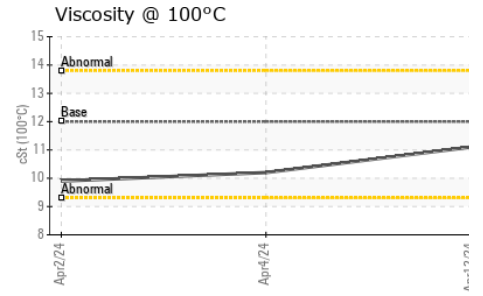
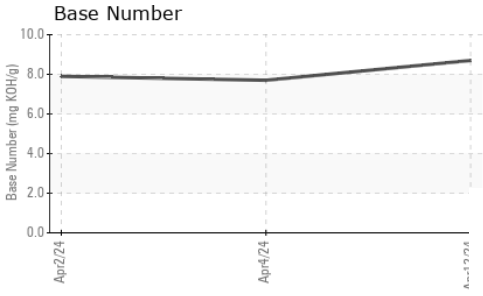
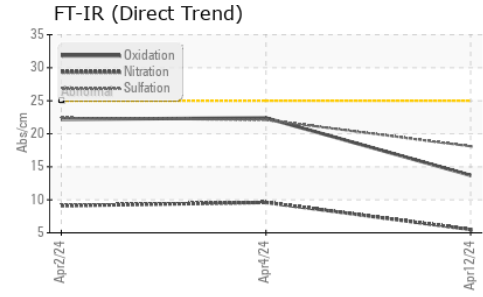
INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	0.1	0.5	0.5
Nitration	Abs/cm	*ASTM D7624 >20	5.5	9.6	9.1
Sulfation	Abs/.1mm	*ASTM D7415 >30	18.1	22.1	22.4

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	13.7	22.4	22.2
Base Number (BN)	mg KOH/g	ASTM D2896	8.7	7.7	7.9

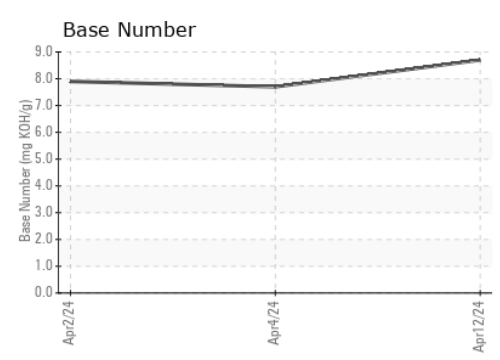
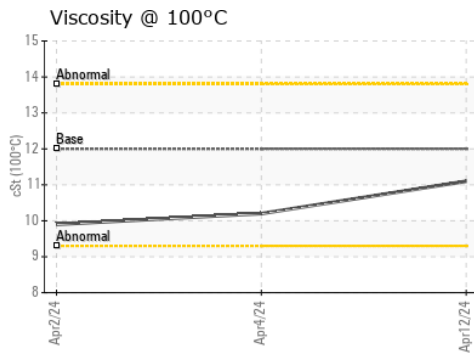
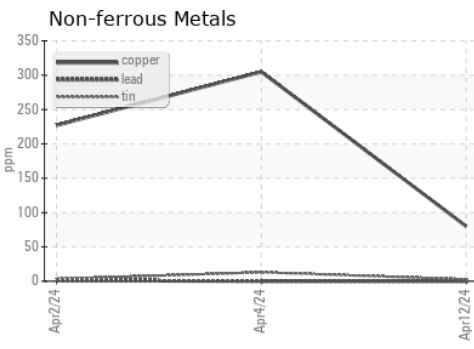
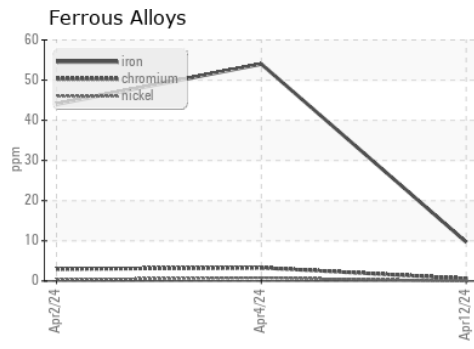
OIL ANALYSIS REPORT



PARAMETER	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	11.1	10.2

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0123039
Lab Number : 06157302
Unique Number : 10992725
Test Package : FLEET
Received : 23 Apr 2024
Tested : 24 Apr 2024
Diagnosed : 24 Apr 2024 - Wes Davis

Transervice - Shop 1376 - Berkeley-Linden
 3425 Tremley Point Road
 Linden, NJ
 US 07036
 Contact: Shop 1376 Oil Analysis
 shop1376@transervice.com

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)