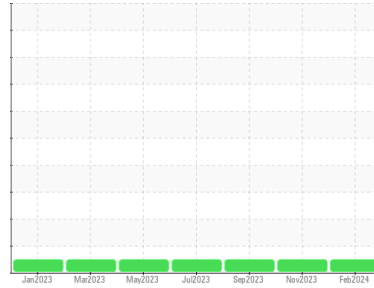


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
(33699Z) Walgreens - Tractor
 Machine Id
[Walgreens - Tractor] 136A62583
 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		PCA0112822	PCA0112885	PCA0103829
Sample Date	Client Info		06 Feb 2024	29 Nov 2023	19 Sep 2023
Machine Age	mls Client Info		430494	402554	372411
Oil Age	mls Client Info		58083	30143	61230
Oil Changed	Client Info		Changed	Not Changd	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	14	9	15
Chromium	ppm ASTM D5185m	>5	<1	<1	1
Nickel	ppm ASTM D5185m	>2	0	0	0
Titanium	ppm ASTM D5185m		<1	<1	0
Silver	ppm ASTM D5185m	>3	0	0	0
Aluminum	ppm ASTM D5185m	>30	5	2	3
Lead	ppm ASTM D5185m	>30	0	0	<1
Copper	ppm ASTM D5185m	>150	3	4	9
Tin	ppm ASTM D5185m	>5	0	0	<1
Vanadium	ppm ASTM D5185m		<1	0	0
Cadmium	ppm ASTM D5185m		0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	2	0	0	0
Barium	ppm ASTM D5185m	0	0	0	0
Molybdenum	ppm ASTM D5185m	50	64	66	63
Manganese	ppm ASTM D5185m	0	0	0	<1
Magnesium	ppm ASTM D5185m	950	910	947	1037
Calcium	ppm ASTM D5185m	1050	1062	1123	1222
Phosphorus	ppm ASTM D5185m	995	941	1049	1069
Zinc	ppm ASTM D5185m	1180	1192	1243	1388
Sulfur	ppm ASTM D5185m	2600	2578	2873	3436

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>20	6	6	9
Sodium	ppm ASTM D5185m		<1	20	6
Potassium	ppm ASTM D5185m	>20	7	5	7

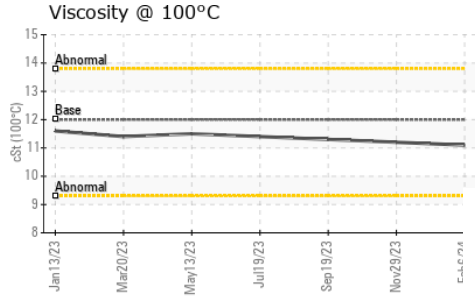
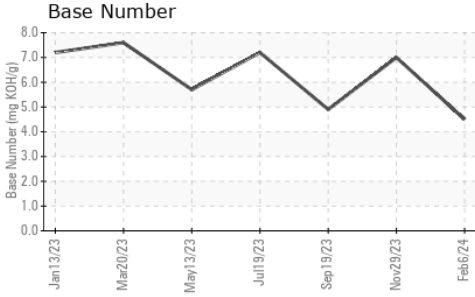
INFRA-RED

	method	limit/base	current	history1	history2
Soot %	% *ASTM D7844	>3	0.7	0.4	0.8
Nitration	Abs/cm *ASTM D7624	>20	9.5	7.9	9.7
Sulfation	Abs/.1mm *ASTM D7415	>30	22.5	19.3	23.4

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414	>25	18.7	15.8	19.8
Base Number (BN)	mg KOH/g ASTM D2896		4.5	7.0	4.9

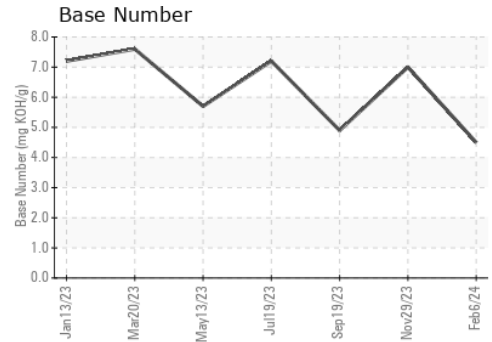
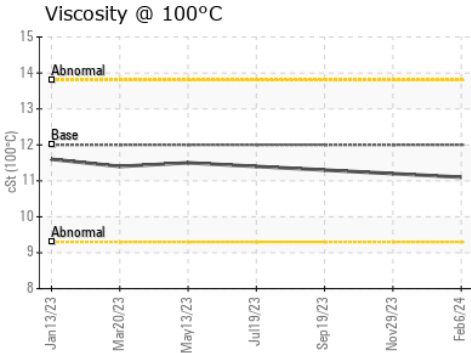
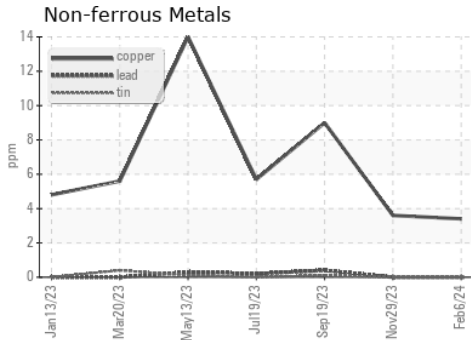
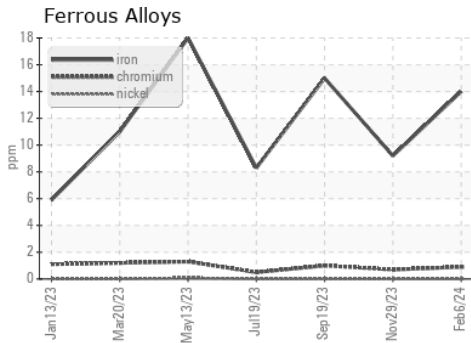
OIL ANALYSIS REPORT



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	11.2	11.3

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0112822
Lab Number : 06086869
Unique Number : 10874314
Test Package : FLEET

Received : 13 Feb 2024
Tested : 13 Feb 2024
Diagnosed : 13 Feb 2024 - Wes Davis

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

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)