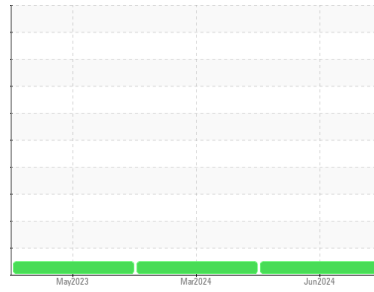


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
(50952Z) Walgreens - Tractor
 Machine Id
[Walgreens - Tractor] 136A63270
 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	PCA0094028	PCA0093948	PCA0093871
Sample Date	Client Info	10 Jun 2024	01 Mar 2024	03 May 2023
Machine Age	mls Client Info	229348	206086	107138
Oil Age	mls Client Info	107138	206086	0
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	27	15	21
Chromium	ppm ASTM D5185m >5	4	2	2
Nickel	ppm ASTM D5185m >2	<1	0	0
Titanium	ppm ASTM D5185m	2	2	2
Silver	ppm ASTM D5185m >3	<1	0	<1
Aluminum	ppm ASTM D5185m >30	8	7	7
Lead	ppm ASTM D5185m >30	0	0	0
Copper	ppm ASTM D5185m >150	12	11	63
Tin	ppm ASTM D5185m >5	0	<1	<1
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	6	8	8
Barium	ppm ASTM D5185m 0	0	0	0
Molybdenum	ppm ASTM D5185m 50	61	60	60
Manganese	ppm ASTM D5185m 0	1	<1	<1
Magnesium	ppm ASTM D5185m 950	958	913	964
Calcium	ppm ASTM D5185m 1050	1147	1065	1181
Phosphorus	ppm ASTM D5185m 995	1062	1017	970
Zinc	ppm ASTM D5185m 1180	1291	1205	1251
Sulfur	ppm ASTM D5185m 2600	2864	3172	2777

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	7	5	4
Sodium	ppm ASTM D5185m	3	3	2
Potassium	ppm ASTM D5185m >20	13	13	24

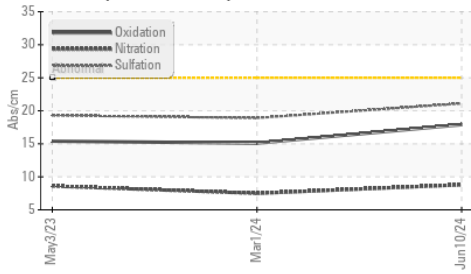
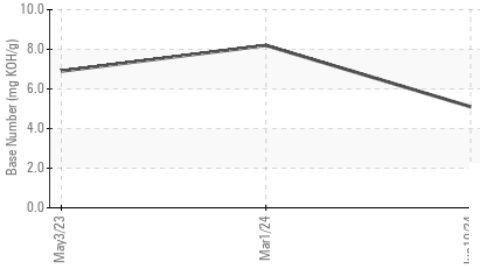
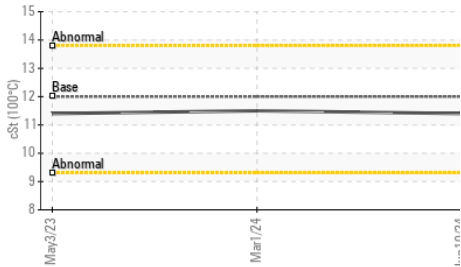
INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	0.7	0.4	0.5
Nitration	Abs/cm *ASTM D7624 >20	8.8	7.5	8.6
Sulfation	Abs/.1mm *ASTM D7415 >30	21.1	18.9	19.3

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	17.9	15.1	15.4
Base Number (BN)	mg KOH/g ASTM D2896	5.1	8.2	6.9

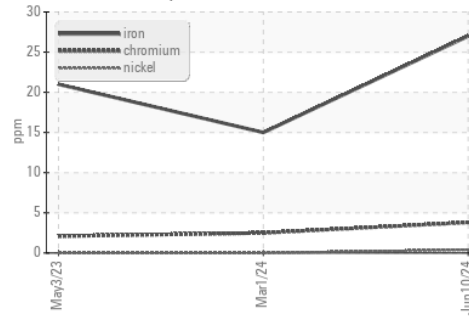
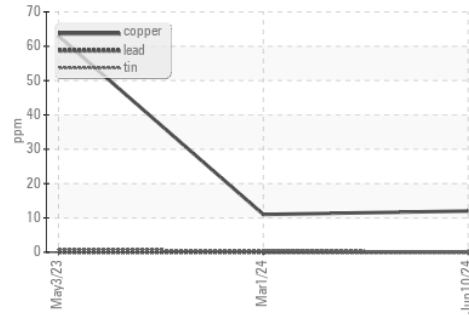
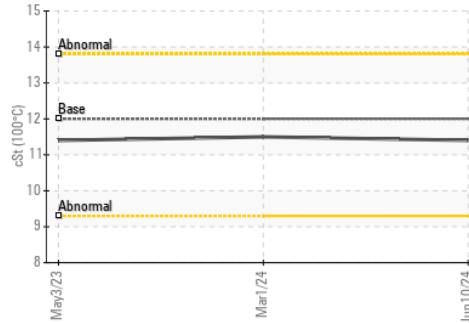
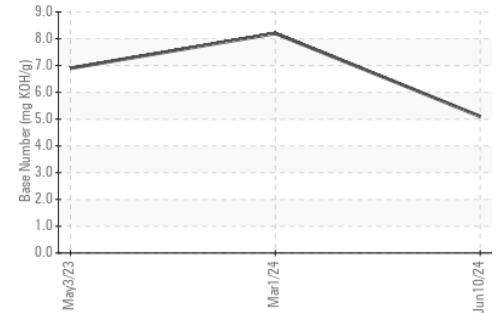
OIL ANALYSIS REPORT

FT-IR (Direct Trend)

Base Number

Viscosity @ 100°C


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	11.4	11.5	11.4

GRAPHS

Ferrous Alloys

Non-ferrous Metals

Viscosity @ 100°C

Base Number


Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0094028
Lab Number : 06212829
Unique Number : 11085693
Test Package : FLEET

Received : 17 Jun 2024
Tested : 19 Jun 2024
Diagnosed : 19 Jun 2024 - Wes Davis

Transervice - Shop 1372 - Berkeley-Moreno Valley
 17500 Perris Blvd.
 Moreno Valley, CA
 US 92551
 Contact: Ryan Cruz
 rcruz@transervice.com
 T: (951)924-7131
 F: (951)924-7151

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)