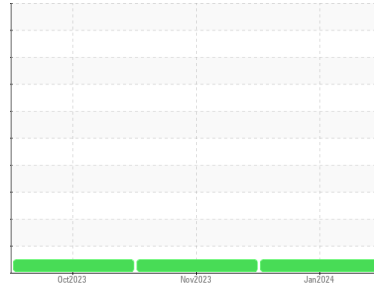


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
(P942853) Dixon Transport-Tractor
 Machine Id
[Dixon Transport-Tractor] 325A6286
 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		PCA0114323	PCA0109472	PCA0109478
Sample Date	Client Info		11 Jan 2024	28 Nov 2023	25 Oct 2023
Machine Age	mls	Client Info	949161	933475	930711
Oil Age	mls	Client Info	15686	9475	6711
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 >100	22	8	11
Chromium	ppm	ASTM D5185m >20	<1	0	<1
Nickel	ppm	ASTM D5185m >4	0	0	<1
Titanium	ppm	ASTM D5185m	<1	0	<1
Silver	ppm	ASTM D5185m >3	0	0	0
Aluminum	ppm	ASTM D5185m >20	2	2	2
Lead	ppm	ASTM D5185m >40	<1	<1	<1
Copper	ppm	ASTM D5185m >330	<1	0	<1
Tin	ppm	ASTM D5185m >15	<1	0	0
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	0	0	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	15	4	<1
Barium	ppm	ASTM D5185m 0	0	0	9
Molybdenum	ppm	ASTM D5185m 50	60	59	67
Manganese	ppm	ASTM D5185m 0	<1	0	<1
Magnesium	ppm	ASTM D5185m 950	935	1078	1003
Calcium	ppm	ASTM D5185m 1050	1100	1206	1172
Phosphorus	ppm	ASTM D5185m 995	994	1169	1063
Zinc	ppm	ASTM D5185m 1180	1218	1307	1304
Sulfur	ppm	ASTM D5185m 2600	2783	3181	3414

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	4	4	4
Sodium	ppm	ASTM D5185m	4	5	3
Potassium	ppm	ASTM D5185m >20	8	7	9

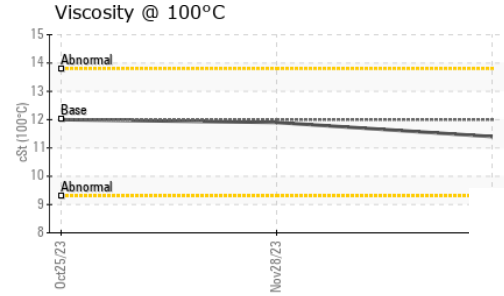
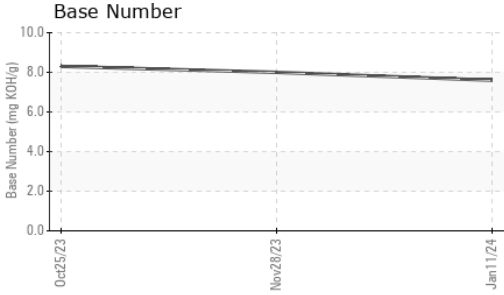
INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	0.5	0.4	0.3
Nitration	Abs/cm	*ASTM D7624 >20	9.1	8.9	9.5
Sulfation	Abs/.1mm	*ASTM D7415 >30	20.1	21.0	21.3

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	15.6	17.1	18.2
Base Number (BN)	mg KOH/g	ASTM D2896	7.6	8.0	8.3

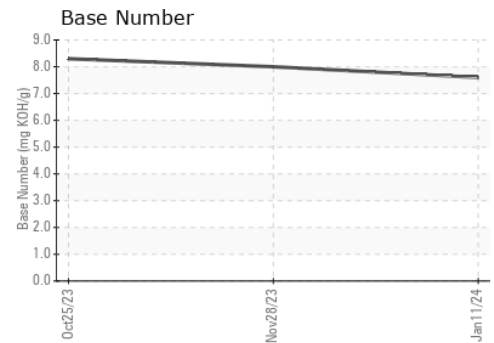
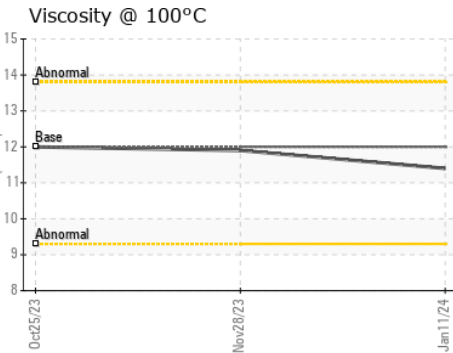
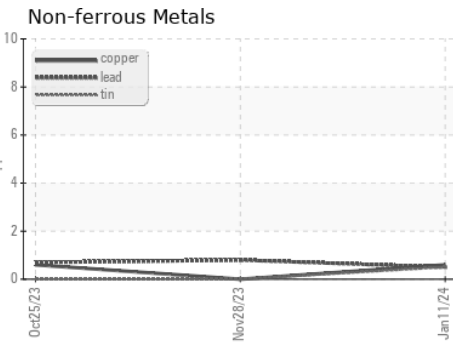
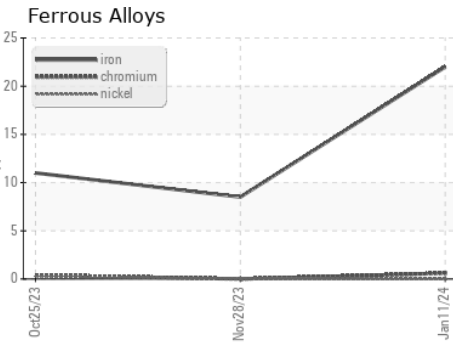
OIL ANALYSIS REPORT



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	11.4	11.9

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0114323 **Received** : 26 Jan 2024
Lab Number : 06071395 **Diagnosed** : 26 Jan 2024
Unique Number : 10848072 **Diagnostician** : Wes Davis
Test Package : FLEET

Transervice - Shop 3250 - Dixon Transport
 1124 E. River Road
 Dixon, IL
 US 61021
 Contact: Mike Shoemaker
 Shop3250@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)

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F: