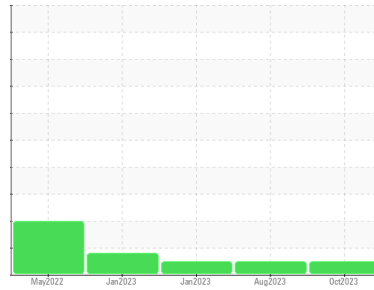


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
721536

Component
Diesel Engine

Fluid
PETRO CANADA DURON SHP 10W30 (--- 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		PCA0108322	PCA0102898	PCA0085240
Sample Date	Client Info		30 Oct 2023	14 Aug 2023	30 Jan 2023
Machine Age	mls Client Info		243012	266615	26392
Oil Age	mls Client Info		36397	266615	26392
Oil Changed	Client Info		Changed	Not Changd	Not Changd
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	<1.0	<1.0
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>100	68	47	61
Chromium	ppm ASTM D5185m	>20	2	2	3
Nickel	ppm ASTM D5185m	>4	0	0	0
Titanium	ppm ASTM D5185m		5	6	29
Silver	ppm ASTM D5185m	>3	0	<1	0
Aluminum	ppm ASTM D5185m	>20	14	11	15
Lead	ppm ASTM D5185m	>40	0	0	<1
Copper	ppm ASTM D5185m	>330	8	1	6
Tin	ppm ASTM D5185m	>15	0	0	<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	4	10	17
Barium	ppm ASTM D5185m	0	0	0	0
Molybdenum	ppm ASTM D5185m	50	59	72	40
Manganese	ppm ASTM D5185m	0	<1	0	1
Magnesium	ppm ASTM D5185m	950	861	1077	822
Calcium	ppm ASTM D5185m	1050	1210	1443	1710
Phosphorus	ppm ASTM D5185m	995	957	1208	1087
Zinc	ppm ASTM D5185m	1180	1189	1613	1395
Sulfur	ppm ASTM D5185m	2600	2373	4420	3351

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>25	9	5	10
Sodium	ppm ASTM D5185m		6	0	3
Potassium	ppm ASTM D5185m	>20	26	11	33

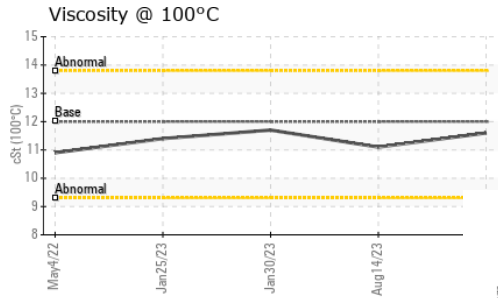
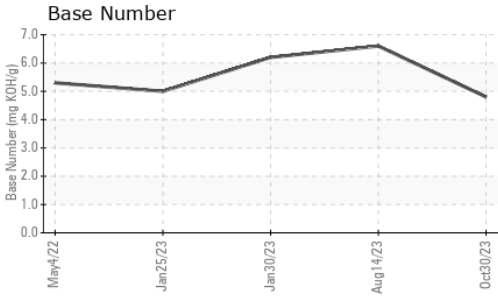
INFRA-RED

	method	limit/base	current	history1	history2
Soot %	% *ASTM D7844	>3	1.5	0.9	1
Nitration	Abs/cm *ASTM D7624	>20	12.8	10.5	11.5
Sulfation	Abs/.1mm *ASTM D7415	>30	26.7	22.9	25.0

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414	>25	25.2	19.7	23.1
Base Number (BN)	mg KOH/g ASTM D2896		4.8	6.6	6.2

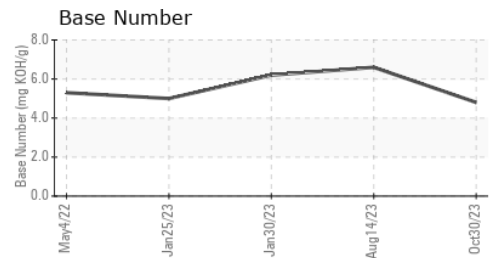
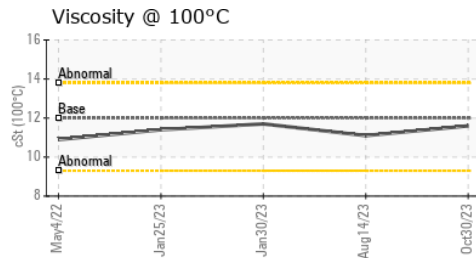
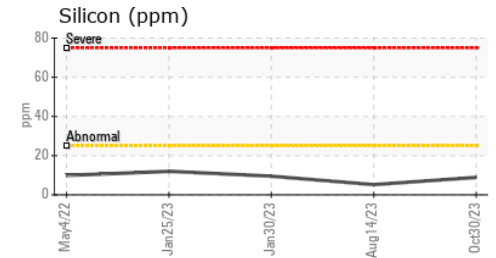
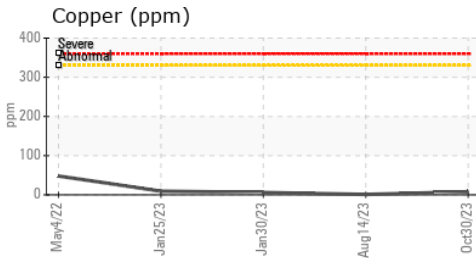
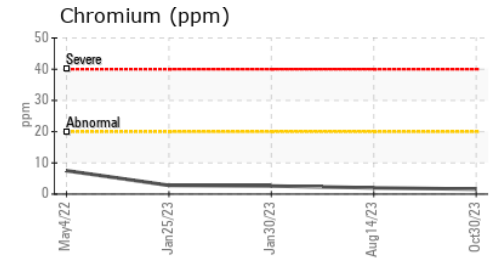
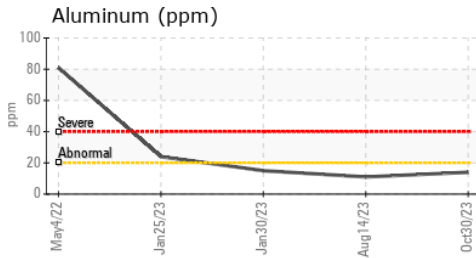
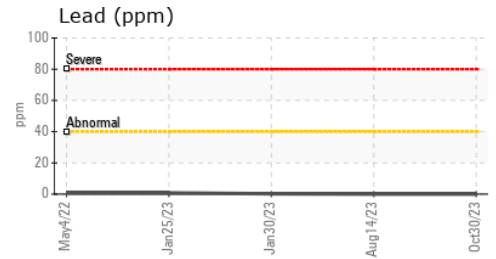
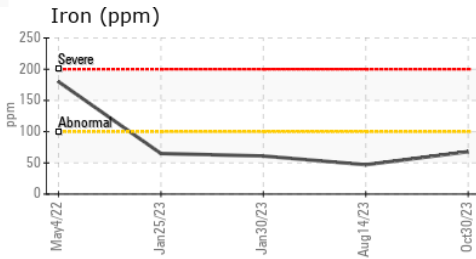
OIL ANALYSIS REPORT



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	11.6	11.1	11.7

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0108322 **Received** : 06 Nov 2023
Lab Number : 05998734 **Diagnosed** : 07 Nov 2023
Unique Number : 10727094 **Diagnostician** : Don Baldrige
Test Package : MOB 1 (Additional Tests: TBN)

MILLER TRUCK LEASING #118
 2196 BENNETT ROAD
 PHILADELPHIA, PA
 US 19116
 Contact: ROSTY VITER
 rviter@millertransgroup.com
 T: (215)552-9832
 F: (215)552-9892

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)