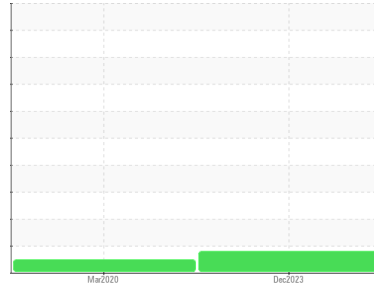


OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
798063

Component
Diesel Engine

Fluid
PETRO CANADA DURON SHP 10W30 (--- QTS)

DIAGNOSIS

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PCA0115183	PCA04936381	---
Sample Date	Client Info			28 Dec 2023	17 Mar 2020	---
Machine Age	mls	Client Info		0	0	---
Oil Age	mls	Client Info		0	0	---
Oil Changed	Client Info			N/A	N/A	---
Sample Status				ABNORMAL	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>5		<1.0	<1.0	---
Water	WC Method	>0.2		NEG	NEG	---
Glycol	WC Method			NEG	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	▲ 161	34	---
Chromium	ppm	ASTM D5185m	>20	6	4	---
Nickel	ppm	ASTM D5185m	>4	<1	<1	---
Titanium	ppm	ASTM D5185m		3	<1	---
Silver	ppm	ASTM D5185m	>3	0	<1	---
Aluminum	ppm	ASTM D5185m	>20	51	18	---
Lead	ppm	ASTM D5185m	>40	0	<1	---
Copper	ppm	ASTM D5185m	>330	14	36	---
Tin	ppm	ASTM D5185m	>15	<1	0	---
Antimony	ppm	ASTM D5185m		---	4	---
Vanadium	ppm	ASTM D5185m		0	0	---
Cadmium	ppm	ASTM D5185m		0	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	4	4	---
Barium	ppm	ASTM D5185m	0	10	0	---
Molybdenum	ppm	ASTM D5185m	50	59	63	---
Manganese	ppm	ASTM D5185m	0	2	<1	---
Magnesium	ppm	ASTM D5185m	950	865	1078	---
Calcium	ppm	ASTM D5185m	1050	1143	1270	---
Phosphorus	ppm	ASTM D5185m	995	1053	1087	---
Zinc	ppm	ASTM D5185m	1180	1199	1219	---
Sulfur	ppm	ASTM D5185m	2600	2797	2548	---

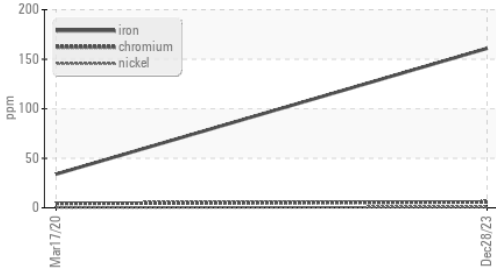
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	4	---
Sodium	ppm	ASTM D5185m		<1	3	---
Potassium	ppm	ASTM D5185m	>20	64	39	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.4	0.4	---
Nitration	Abs/cm	*ASTM D7624	>20	11.8	7.6	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.1	19.2	---

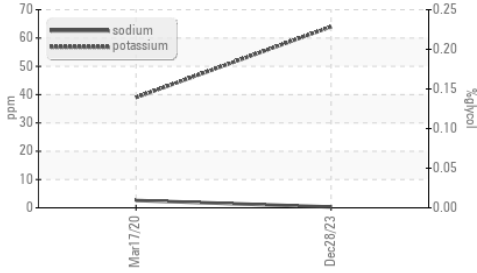
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.7	14.7	---
Base Number (BN)	mg KOH/g	ASTM D2896		5.3	---	---

OIL ANALYSIS REPORT

▲ Ferrous Alloys



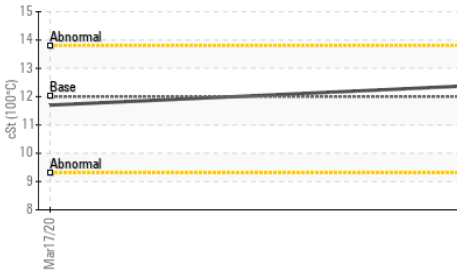
Glycol Contamination



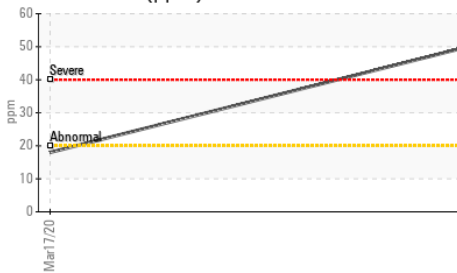
Base Number



Viscosity @ 100°C



Aluminum (ppm)

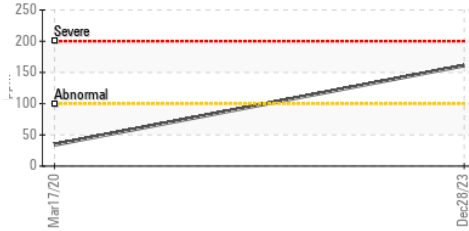


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	12.4	11.7

GRAPHS

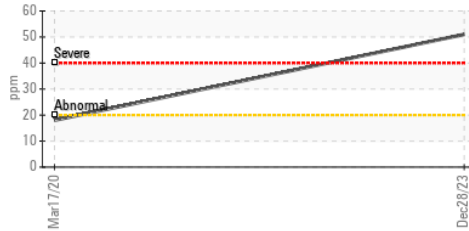
▲ Iron (ppm)



Lead (ppm)



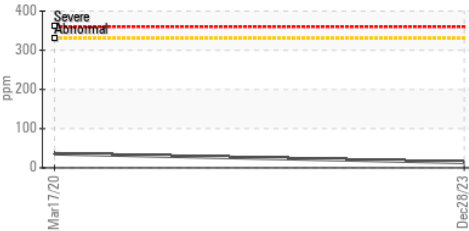
Aluminum (ppm)



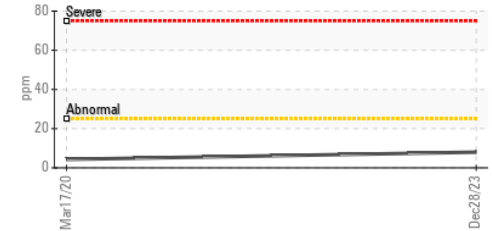
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0115183 **Received** : 05 Jan 2024
Lab Number : 06052561 **Diagnosed** : 08 Jan 2024
Unique Number : 10818510 **Diagnostician** : Don Baldrige
Test Package : MOB 1 (Additional Tests: TBN)

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)

MILLER TRUCK LEASING #119
 39 INDUSTRIAL AVE
 HASBROUCK HEIGHTS, NJ
 US 07604

Contact: ALDO LAIN
 alain@millertransgroup.com
 T: (201)528-7293
 F: (201)528-7053