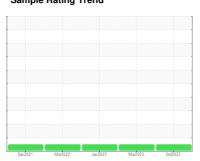


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **313536**

Component **Diesel Engine**

PETRO CANADA DURON SHP 10W30 (30 QTS

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

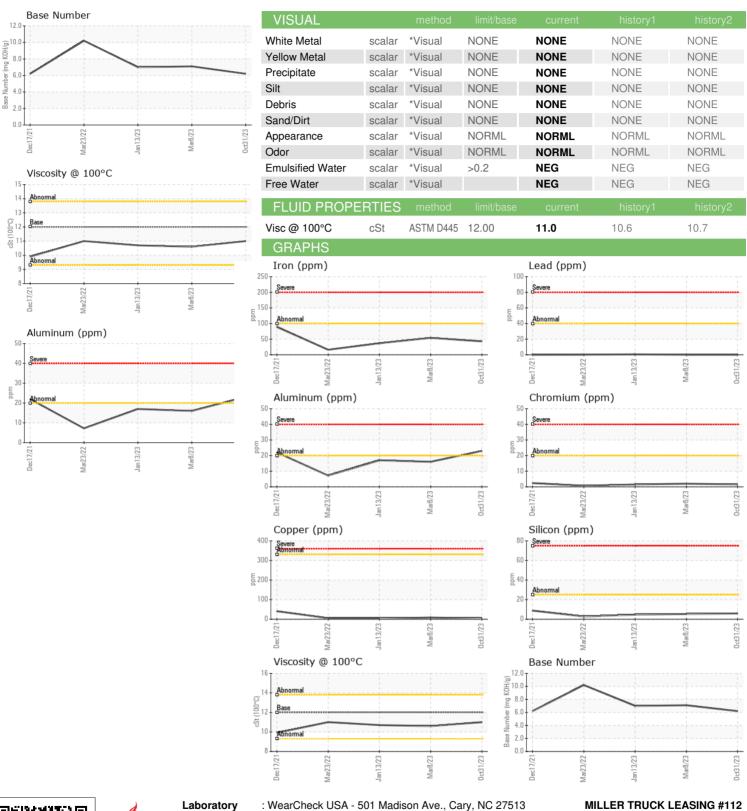
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

QTS)		Dec2021	Mar2022	Jan 2023 Mar 2023	Oct2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0098948	PCA0089944	PCA0078903
Sample Date		Client Info		31 Oct 2023	08 Mar 2023	13 Jan 2023
Machine Age	mls	Client Info		104557	55809	70605
Oil Age	mls	Client Info		0	25590	32264
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ION	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	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	43	54	37
Chromium	ppm	ASTM D5185m	>20	2	2	2
Nickel	ppm	ASTM D5185m	>4	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	23	16	17
Lead	ppm	ASTM D5185m	>40	0	0	<1
Copper	ppm	ASTM D5185m	>330	4	9	5
Tin	ppm	ASTM D5185m	>15	<1	2	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	3	6
Barium	ppm	ASTM D5185m	0	0	2	2
Molybdenum	ppm	ASTM D5185m	50	73	59	61
Manganese	ppm	ASTM D5185m	0	<1	1	<1
Magnesium	ppm	ASTM D5185m	950	967	895	864
Calcium	ppm	ASTM D5185m	1050	1230	1156	1076
Phosphorus	ppm	ASTM D5185m	995	1015	933	907
Zinc	ppm	ASTM D5185m	1180	1304	1171	1160
Sulfur	ppm	ASTM D5185m	2600	3053	2879	3194
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	5	5
Sodium	ppm	ASTM D5185m	00	2	<1	3
Potassium	ppm	ASTM D5185m	>20	34	18	24
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.8	0.9	0.5
Nitration	Abs/cm	*ASTM D7624	>20	11.9	11.6	10.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.7	22.0	20.5
FLUID DEGRADATION method limit/base current history1 history2						
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.2	18.2	16.9
Base Number (BN)	mg KOH/g	ASTM D2896		6.2	7.1	7.0



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: PCA0098948 : 06016272

: 10755416

Received : 24 Nov 2023 Diagnosed

: 28 Nov 2023 Diagnostician : Sean Felton 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.

MILLER TRUCK LEASING #112

1504 MAINLINE DR CINNAMINSON, NJ US 08077

Contact: MIKE BOYER mboyer@millertransgroup.com

T: (856)662-4264 F: (856)663-4898

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: MIKE BOYER - MILPEN