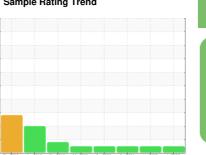


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



FREIGHTLINER 492396

Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (36 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

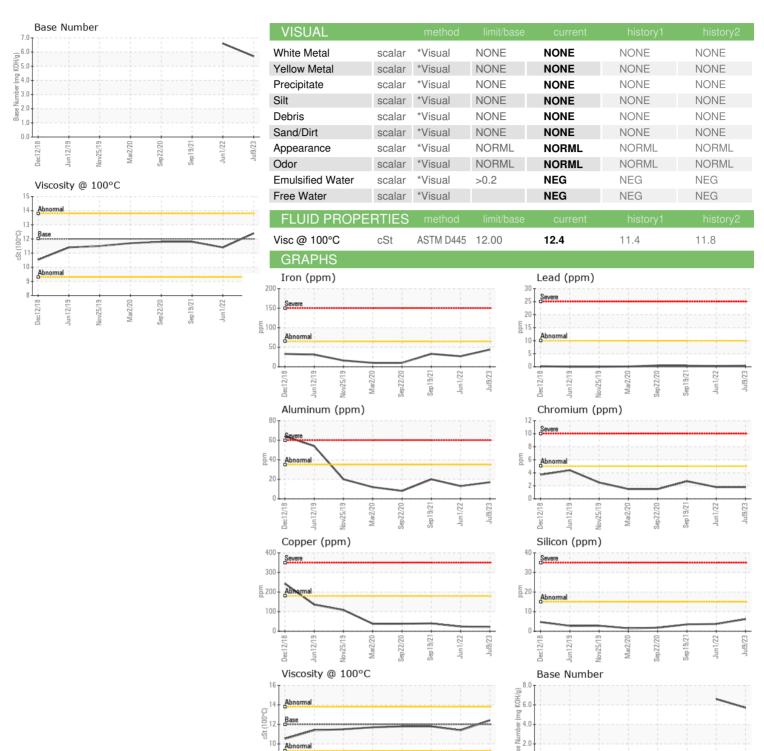
Fluid Condition

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

ual)		Dec2018 J	un2019 Nov2019 Mar20	20 Sep2020 Sep2021 Jun2022	Jul2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0083825	PCA0061126	PCA0042016
Sample Date		Client Info		09 Jul 2023	01 Jun 2022	19 Sep 2021
Machine Age	mls	Client Info		256411	205535	174367
Oil Age	mls	Client Info		50875	31168	53959
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>65	44	27	33
Chromium	ppm	ASTM D5185m	>5	2	2	3
Nickel	ppm	ASTM D5185m	>3	<1	0	<1
Titanium	ppm	ASTM D5185m	>5	56	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>35	17	13	20
Lead	ppm	ASTM D5185m	>10	<1	<1	<1
Copper	ppm	ASTM D5185m	>180	21	24	40
Tin	ppm	ASTM D5185m	>8	2	1	4
Antimony	ppm	ASTM D5185m	>35			0
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	11	16	3
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	50	25	57	60
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	950	567	826	908
Calcium	ppm	ASTM D5185m	1050	1567	1061	1098
Phosphorus	ppm	ASTM D5185m	995	954	789	887
Zinc	ppm	ASTM D5185m	1180	1217	1074	1238
Sulfur	ppm	ASTM D5185m	2600	3106	2507	2156
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	6	4	4
Sodium	ppm	ASTM D5185m		4	2	4
Potassium	ppm	ASTM D5185m	>20	19	16	30
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.8	1.1	1.4
Nitration	Abs/cm	*ASTM D7624	>20	11.5	9.4	10.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.7	20.7	23.5
FLUID DEGRAD	NOITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.1	14.8	18.2
Base Number (BN)	mg KOH/g	ASTM D2896		5.7	6.6	



OIL ANALYSIS REPORT







Certificate L2367

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0083825 : 05984532

: 10701827

Received : 20 Oct 2023 Diagnosed

: 23 Oct 2023 Diagnostician : Sean Felton

Jun1/22

Jun 12/19

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 #123

66 KELLER AVENUE LANCASTER, PA US 17601

Contact: RON ROBERTS rroberts@millertransgroup.com

Contact/Location: RON ROBERTS - MILLAN

T: (717)945-6205 F: (717)945-5818

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