

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

FREIGHTLINER 684390

Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (40 QTS)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

The aluminum level is abnormal. All other 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 acceptable for the time in service.

QTS)		eb2018 Apr20	19 Nov2019 May2020 Dec2	020 Aug2021 Jun2022 Jan2023 Ma	y2023 Sep202	
SAMPLE INFO	RMATIO	N method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0106240	PCA0095931	PCA0097999
Sample Date		Client Info		15 Sep 2023	10 Jun 2023	18 May 2023
Machine Age	mls	Client Info		446844	0	424650
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINA	TION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR META	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	73	83	79
Chromium	ppm	ASTM D5185m	>20	8	8	8
Nickel	ppm	ASTM D5185m	>2	<1	<1	<1
Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>30	<u></u> 47	△ 66	△ 59
Lead	ppm	ASTM D5185m	>30	<1	<1	<1
Copper	ppm	ASTM D5185m	>30	6	9	8
Tin	ppm	ASTM D5185m	>15	<1	2	1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	0	5	3
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	50	69	77	79
Manganese	ppm	ASTM D5185m	0	1	2	1
Magnesium	ppm	ASTM D5185m	950	951	1019	951
Calcium	ppm	ASTM D5185m	1050	1085	1189	1137
Phosphorus	ppm	ASTM D5185m	995	1021	1061	1004
Zinc	ppm	ASTM D5185m	1180	1258	1365	1241
Sulfur	nnm	ASTM D5185m	2600	2005	3288	2756

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Phosphorus	ppm	ASTM D5185m	995	1021	1061	1004
Zinc	ppm	ASTM D5185m	1180	1258	1365	1241
Sulfur	ppm	ASTM D5185m	2600	2995	3288	2756
CONTAMINAN	ITS	method	limit/base	current	history1	history2
CONTAMINAN Silicon	ITS ppm	method ASTM D5185m		current 7	history1	history2

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INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.1	2	1.9
Nitration	Abs/cm	*ASTM D7624	>20	9.9	12.2	12.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.3	26.4	26.2
FLUID DEGRA	NOITAC	method	limit/hase	current	history1	history2

ASTM D5185m >20

ppm

FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.1	21.8	20.3
Base Number (BN)	mg KOH/g	ASTM D2896		7.1	5.1	5.4

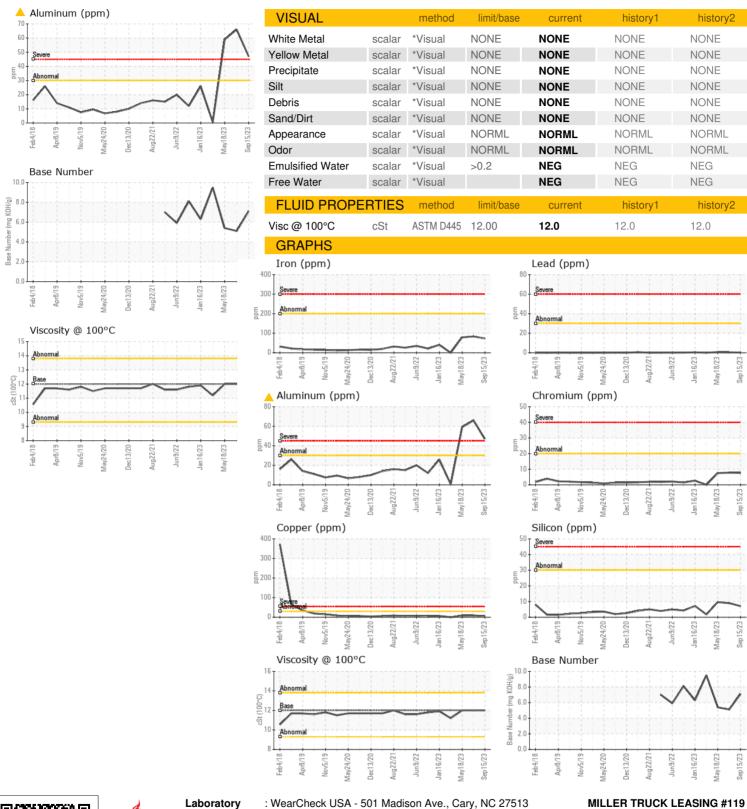
Potassium

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OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

: PCA0106240 : 05956186

: 10657399

Diagnosed Diagnostician : Angela Borella

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 #119

39 INDUSTRIAL AVE HASBROUCK HEIGHTS, NJ US 07604

Contact: MIKE LONGETTE

mlongette@millertransgroup.com T:

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

Received

: 20 Sep 2023

: 21 Sep 2023

F: (201)528-7053