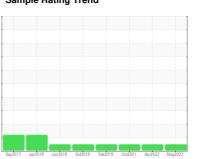


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



FREIGHTLINER 675644

Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (44 QTS)

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.

QTS)		Sep2017 .	Jun2018 Oct20	18 Feb2019 Oct2021 Apr2022	May2023	
SAMPLE INFOR	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PCA0097726	PCA0068481	PCA0055111
Sample Date		Client Info		30 May 2023	01 Apr 2022	15 Oct 2021
Machine Age	mls	Client Info		374511	0	278035
Oil Age	mls	Client Info		0	0	10000
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history 1	history 2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>90	13	24	21
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	0	4	6
Lead	ppm	ASTM D5185m	>40	<1	2	5
Copper	ppm	ASTM D5185m	>330	<1	<1	<1
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	2	11	6	11
Barium	ppm	ASTM D5185m	0	11	0	0
Molybdenum	ppm	ASTM D5185m	50	61	61	57
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	950	727	948	852
Calcium	ppm	ASTM D5185m	1050	989	1181	1105
Phosphorus	ppm	ASTM D5185m	995	829	1079	911
Zinc	ppm	ASTM D5185m	1180	1026	1287	1168
Sulfur	ppm	ASTM D5185m	2600	2899	2585	2352
CONTAMINAN	ITS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	9	3	4
Sodium	ppm	ASTM D5185m		2	1	2
Potassium	ppm	ASTM D5185m	>20	1	8	8
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>6	0.6	0.7	0.6
Nitration	Abs/cm	*ASTM D7624	>20	10.0	11.8	10.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.4	22.5	22.3
FLUID DEGRAI	OATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.5	18.2	18.1
Base Number (BN)	mg KOH/g	ASTM D2896		8.0	7.9	



OIL ANALYSIS REPORT





Certificate L2367

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

: PCA0097726 : 05888668 : 10539151

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Jul 2023 Diagnosed : 05 Jul 2023 Diagnostician : Wes Davis

Apr1/22

4.0 Base No 2.0 0.0

Test Package : MOB 1 (Additional Tests: TBN)

0ct8/18

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. **63 REPAUPO STATION ROAD** LOGAN TOWNSHIP, NJ US 08085

Contact: ED DAVIS

edavis@millertransgroup.com T: (856)214-3521

Contact/Location: ED DAVIS - MILLOG

F: (856)214-3663

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