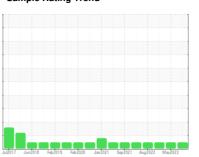


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



FREIGHTLINER 470353

Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- 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.

Jul2017 Jun2018 Feb2020 Jen2021 Sep2021 Aug2022 May2022 May2023						
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0098941	PCA0093172	PCA0082182
Sample Date		Client Info		05 Oct 2023	23 May 2023	21 Jan 2023
Machine Age	mls	Client Info		240040	0	218578
Oil Age	mls	Client Info		13821	0	14641
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	NC	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	;	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>130	35	30	54
Chromium	ppm	ASTM D5185m	>10	1	2	2
Nickel	ppm	ASTM D5185m	>4	<1	<1	1
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	4	7	10
Lead	ppm	ASTM D5185m	>20	0	1	2
Copper	ppm	ASTM D5185m	>125	1	2	2
Tin	ppm	ASTM D5185m	>4	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	4	15	5
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	50	66	69	68
Manganese	ppm	ASTM D5185m	0	0	1	<1
Magnesium	ppm	ASTM D5185m	950	875	1029	967
Calcium	ppm	ASTM D5185m	1050	1039	1243	1200
Phosphorus	ppm	ASTM D5185m	995	970	1125	1033
Zinc	ppm	ASTM D5185m	1180	1190	1380	1326
	ppm	ASTM D5185m	2600	2793	3764	3324
CONTAMINANT	TS	method	limit/base	current	history1	history2
	ppm	ASTM D5185m	>25	5	5	7
Sodium	ppm	ASTM D5185m		0	3	4
Potassium	ppm	ASTM D5185m	>20	4	8	6
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	8.0	0.6	1
Nitration	Abs/cm	*ASTM D7624	>20	10.0	8.5	11.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.7	19.5	22.0
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.1	15.0	18.4
Base Number (BN)	mg KOH/g	ASTM D2896		6.6	8.7	6.9



OIL ANALYSIS REPORT







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

: 05981037 : 10698332

: PCA0098941

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Oct 2023 Diagnosed : 17 Oct 2023 Diagnostician : Wes Davis

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 #112

1504 MAINLINE DR CINNAMINSON, NJ US 08077

Contact: MIKE BOYER

mboyer@millertransgroup.com

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

Report Id: MILPEN [WUSCAR] 05981037 (Generated: 10/23/2023 02:33:04) Rev: 1

Contact/Location: MIKE BOYER - MILPEN