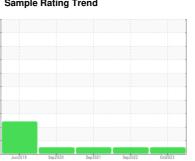


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



FREIGHTLINER 698045

Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- 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.

GAL)		Jun2019	Sep 2020	Sep2021 Sep2022	Oct2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0098942	PCA0078897	PCA0055335
Sample Date		Client Info		10 Oct 2023	30 Sep 2022	14 Sep 2021
Machine Age	mls	Client Info		157924	129802	95636
Oil Age	mls	Client Info		0	34166	30000
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	19	19	28
Chromium	ppm	ASTM D5185m	>5	1	4	5
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>5	0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>35	10	18	23
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>180	14	27	40
Tin	ppm	ASTM D5185m	>8	2	3	5
Antimony	ppm	ASTM D5185m	>35			0
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	2
Barium	ppm	ASTM D5185m	0	0	<1	0
Molybdenum	ppm	ASTM D5185m	50	60	67	61
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	950	836	953	956
Calcium	ppm	ASTM D5185m	1050	983	1154	1093
Phosphorus	ppm	ASTM D5185m	995	880	1016	970
Zinc	ppm	ASTM D5185m	1180	1093	1271	1257
Sulfur	ppm	ASTM D5185m	2600	2555	2989	2218
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	1	4
Sodium	ppm	ASTM D5185m		0	<1	2
Potassium	ppm	ASTM D5185m	>20	21	39	46
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7	0.9	0.7
Nitration	Abs/cm	*ASTM D7624	>20	8.2	9.9	9.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.9	23.0	21.6
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.7	18.5	17.5
Base Number (BN)	mg KOH/g	ASTM D2896		6.9	7.6	



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

Unique Number

: 05981039 : 10698334

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0098942 Received : 17 Oct 2023 Diagnosed : 17 Oct 2023

Sep14/21.

0ct10/23

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.

MILLER TRUCK LEASING #112

Sep14/21

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)