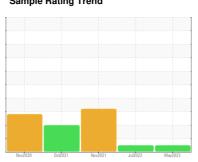


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **618532**

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)		Nov2020	Oct2021	Nov2021 Jul2022	May2023	
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PCA0083841	PCA0071749	PCA0053366
Sample Date		Client Info		11 May 2023	19 Jul 2022	12 Nov 2021
Machine Age	mls	Client Info		206654	158657	113586
Oil Age	mls	Client Info		47997	45071	69510
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history 1	history 2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS method limit/base current history 1 history 2						
Iron	ppm	ASTM D5185m	>100	37	40	80
Chromium	ppm	ASTM D5185m	>20	2	3	7
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		63	5	<1
Silver	ppm	ASTM D5185m	>3	<1	0	<1
Aluminum	ppm	ASTM D5185m	>20	15	19	<u>44</u>
Lead	ppm	ASTM D5185m	>40	<1	0	<1
Copper	ppm	ASTM D5185m	>330	11	20	79
Tin	ppm	ASTM D5185m	>15	<1	<1	2
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	2	14	11	6
Barium	ppm	ASTM D5185m	0	2	0	0
Molybdenum	ppm	ASTM D5185m	50	31	56	55
Manganese	ppm	ASTM D5185m	0	<1	<1	2
Magnesium	ppm	ASTM D5185m	950	599	885	980
Calcium	ppm	ASTM D5185m	1050	1639	1159	1186
Phosphorus	ppm	ASTM D5185m	995	1070	904	980
Zinc	ppm	ASTM D5185m	1180	1243	1158	1180
Sulfur	ppm	ASTM D5185m	2600	3524	2504	2107
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	5	5	8
Sodium	ppm	ASTM D5185m		0	3	6
Potassium	ppm	ASTM D5185m	>20	21	27	4 90
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>3	1.4	1.3	1.5
Nitration	Abs/cm	*ASTM D7624	>20	13.3	13.9	14
Sulfation	Abs/.1mm	*ASTM D7415	>30	31.0	28.8	29
FLUID DEGRAE	OATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	26.3	24.1	<u>\$\rightarrow\$</u> 25.5
Base Number (BN)	mg KOH/g	ASTM D2896		4.9	5.8	4.4



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Lab Number

Sample No. **Unique Number**

: 10539264

:St (100°C)

: PCA0083841 : 05888781

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed

Nov12/21

: 03 Jul 2023 : 05 Jul 2023 Diagnostician : Don Baldridge

Jul19/22

Test Package : MOB 1 (Additional Tests: TBN)

0ct5/21

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**

Nov12/21.

Contact/Location: RON ROBERTS - MILLAN

Base Number

Number (n 2.0

May11/23

66 KELLER AVENUE LANCASTER, PA US 17601 Contact: RON ROBERTS

rroberts@millertransgroup.com

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

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