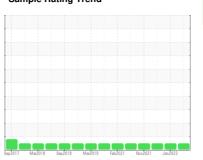


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **380820**

Component **Diesel Engine**

PETRO CANADA DURON SHP 10W30 (16 QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

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)		Sep 2017 M	ar2018 Sep2018 Ma	72019 Feb 2021 Nov2021	Jan 2023	
SAMPLE INFOR	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PCA0097807	PCA0082520	PCA0068613
Sample Date		Client Info		10 May 2023	04 Jan 2023	15 Jun 2022
Machine Age	mls	Client Info		189064	0	0
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	TION	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 METAL	_S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>100	17	46	17
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	3	5	2
Lead	ppm	ASTM D5185m	>40	<1	2	2
Copper	ppm	ASTM D5185m	>330	1	1	1
Tin	ppm	ASTM D5185m	>15	<1	<1	1
Antimony	ppm	ASTM D5185m				
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	8	15
Barium	ppm	ASTM D5185m	0	2	0	0
Molybdenum	ppm	ASTM D5185m	50	74	71	82
Manganese	ppm	ASTM D5185m	0	<1	1	<1
Magnesium	ppm	ASTM D5185m	950	863	965	888
Calcium	ppm	ASTM D5185m	1050	1206	1270	1176
Phosphorus	ppm	ASTM D5185m	995	1060	1120	989
Zinc	ppm	ASTM D5185m	1180	1233	1353	1174
Sulfur	ppm	ASTM D5185m	2600	3300	3057	3568
CONTAMINAN	NTS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	2	4	4
Sodium	ppm	ASTM D5185m		0	6	6
Potassium	ppm	ASTM D5185m	>20	3	6	7
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>3	1.3	2	0.7
Nitration	Abs/cm	*ASTM D7624	>20	9.9	12.6	11.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.9	22.7	21.0
FLUID DEGRA	DATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.8	19.1	19.0
Base Number (BN)	mg KOH/g	ASTM D2896		9.6	10.4	8.7



OIL ANALYSIS REPORT







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

: PCA0097807 : 05888721

: 10539204

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Jul 2023 Diagnosed : 05 Jul 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. 63 REPAUPO STATION ROAD LOGAN TOWNSHIP, NJ US 08085

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

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

Contact/Location: ED DAVIS - MILLOG

F: (856)214-3663