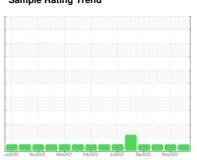


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 102017

Component **Diesel Engine**

PETRO CANADA DURON SHP 10W30 (--- 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.

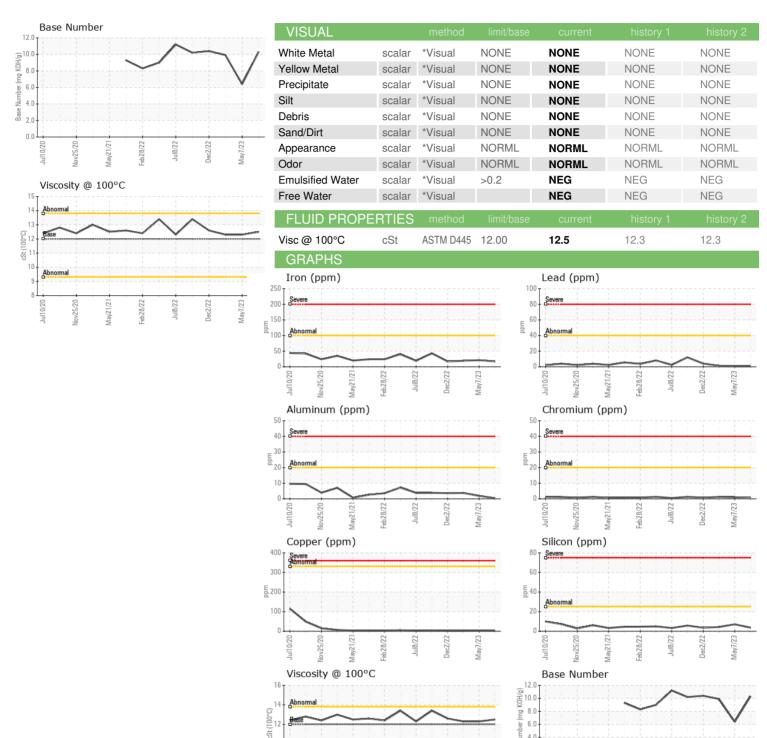
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

QTS)		Jul2020 No	vv2020 May2021 Feb	2022 Jul2022 Dec2022	May2023	
SAMPLE INFOR	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PCA0097786	PCA0097761	PCA0090007
Sample Date		Client Info		12 Jun 2023	07 May 2023	13 Feb 2023
Machine Age	mls	Client Info		183514	0	0
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
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 METAL	S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>100	17	21	19
Chromium	ppm	ASTM D5185m	>20	<1	1	1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	2	4
Lead	ppm	ASTM D5185m	>40	<1	<1	1
Copper	ppm	ASTM D5185m	>330	2	3	1
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
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	7	14	10
Barium	ppm	ASTM D5185m	0	11	0	0
Molybdenum	ppm	ASTM D5185m	50	75	78	72
Manganese	ppm	ASTM D5185m	0	<1	1	<1
Magnesium	ppm	ASTM D5185m	950	1067	1022	967
Calcium	ppm	ASTM D5185m	1050	1301	1281	1260
Phosphorus	ppm	ASTM D5185m	995	1162	1115	1097
Zinc	ppm	ASTM D5185m	1180	1459	1396	1367
Sulfur	ppm	ASTM D5185m	2600	3904	3752	3221
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	4	7	4
Sodium	ppm	ASTM D5185m		3	<1	2
Potassium	ppm	ASTM D5185m	>20	<1	<1	2
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>3	1.3	1.4	1.4
Nitration	Abs/cm	*ASTM D7624	>20	12.0	12.4	10.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.6	22.4	21.4
FLUID DEGRA	DATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.6	20.4	17.3
Base Number (BN)	mg KOH/g	ASTM D2896		10.3	6.4	9.9
()	0 - 0					



OIL ANALYSIS REPORT





Certificate L2367

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

: PCA0097786 : 05888643 : 10539126

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

ul8/22

: 03 Jul 2023 : 05 Jul 2023

May7/23 -

4.0 Sase 2.0 0.0

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 F: (856)214-3663

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

Contact/Location: ED DAVIS - MILLOG