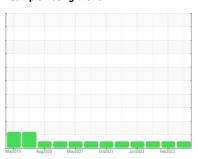


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **495376**

Component **Diesel Engine**

PETRO CANADA DURON SHP 10W30 (18 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.

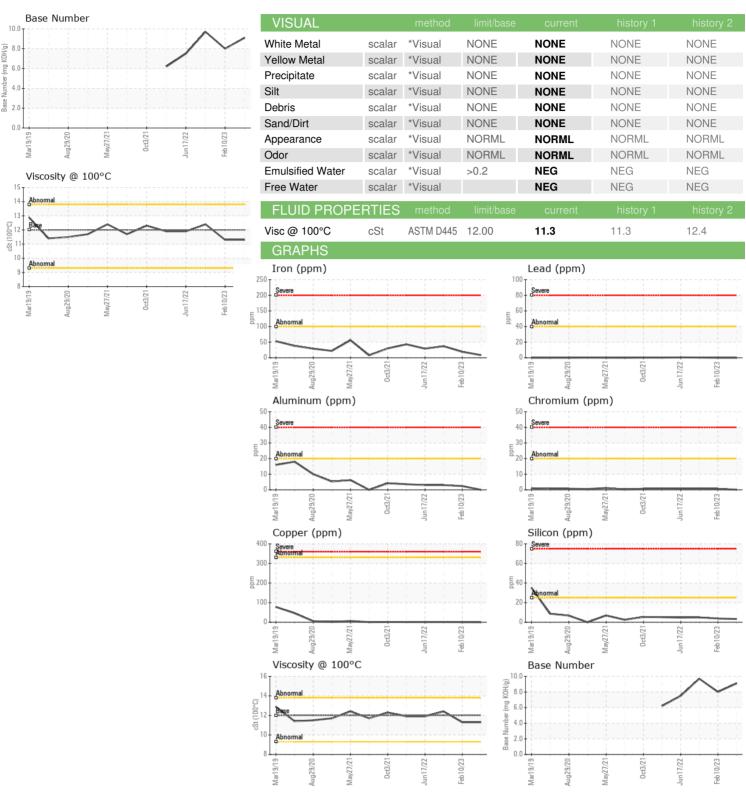
Fluid Condition

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

QTS)		Mar2019	Aug2020 May2021	Oct2021 Jun2022 Fe	b2023	
SAMPLE INFOR	MATION	method	limit/base	current	history 1	history 2
Sample Number Sample Date		Client Info		PCA0097817 06 Jun 2023	PCA0090009 10 Feb 2023	PCA0079741 18 Oct 2022
Machine Age	mls	Client Info		128473	0	122431
Oil Age	mls	Client Info		0	0	10581
Oil Changed		Client Info		Changed	Changed	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	8	19	37
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	2	3
Lead	ppm	ASTM D5185m	>40	0	0	<1
Copper	ppm	ASTM D5185m	>330	<1	<1	1
Tin	ppm	ASTM D5185m	>15	0	0	<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	36	16	24
Barium	ppm	ASTM D5185m	0	11	0	0
Molybdenum	ppm	ASTM D5185m	50	71	71	73
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	950	888	945	1009
Calcium	ppm	ASTM D5185m	1050	1129	1250	1302
Phosphorus	ppm	ASTM D5185m	995	1001	1092	1128
Zinc	ppm	ASTM D5185m	1180	1226	1348	1346
Sulfur	ppm	ASTM D5185m	2600	3600	3355	3694
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	3	4	5
Sodium	ppm	ASTM D5185m		1	2	2
Potassium	ppm	ASTM D5185m	>20	1	3	2
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>3	0.2	0.5	0.6
Nitration	Abs/cm	*ASTM D7624	>20	6.8	10.9	12.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.9	21.5	26.3
FLUID DEGRA	OATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.9	19.3	24.4
Base Number (BN)	mg KOH/g	ASTM D2896		9.1	8.0	9.7



OIL ANALYSIS REPORT







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

: PCA0097817 : 05888640 : 10539123

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Jul 2023 Diagnosed

: 05 Jul 2023 : Wes Davis Diagnostician

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. LOGAN TOWNSHIP, NJ US 08085 Contact: ED DAVIS

63 REPAUPO STATION ROAD

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

Report Id: MILLOG [WUSCAR] 05888640 (Generated: 07/05/2023 14:00:02) Rev: 1

Contact/Location: ED DAVIS - MILLOG