

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Plymouth & Brockton

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (36 QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

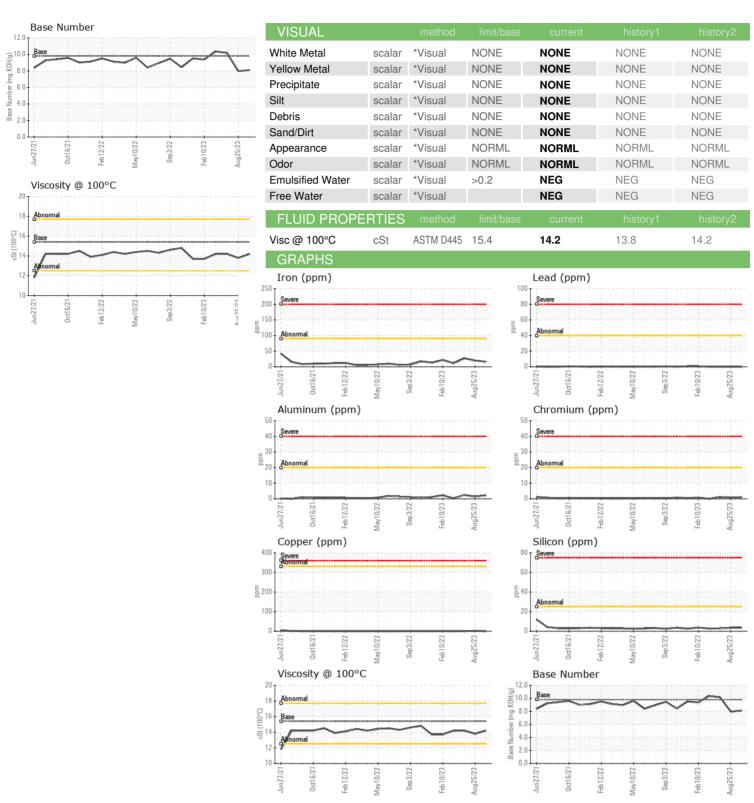
Fluid Condition

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

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SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0104678	PCA0090651	PCA0090736
Sample Date		Client Info		08 Nov 2023	25 Aug 2023	22 May 2023
Machine Age	mls	Client Info		262758	239965	215341
Oil Age	mls	Client Info		24000	24000	24000
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
ron	ppm	ASTM D5185m	>90	16	20	27
Chromium	ppm	ASTM D5185m		1	<1	1
Vickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	1	2
_ead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m		0	2	<1
Борреі Гіп	ppm	ASTM D5185m	>15	<1	0	0
√anadium	ppm	ASTM D5185m	>10	0	0	0
Cadmium		ASTM D5185m		0	0	0
	ppm					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	3	8	4
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	59	59	61
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	947	847	910
Calcium	ppm	ASTM D5185m	1070	1115	1017	1136
Phosphorus	ppm	ASTM D5185m	1150	1038	920	952
Zinc	ppm	ASTM D5185m	1270	1292	1118	1167
Sulfur	ppm	ASTM D5185m	2060	3012	2802	3227
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	4	3
Sodium	ppm	ASTM D5185m		<1	0	3
Potassium	ppm	ASTM D5185m	>20	0	<1	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	2.3	2.2	2.4
Nitration	Abs/cm	*ASTM D7624	>20	10.3	10.5	10.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.6	23.5	23.5
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.4	16.4	15.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.11	7.97	10.17
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Certificate L2367

Laboratory Sample No.

Lab Number **Unique Number** Test Package : MOB 2

: 06010290

: PCA0104678 : 10749434

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 16 Nov 2023 Diagnosed : 17 Nov 2023

Diagnostician : Wes Davis

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

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