

OIL ANALYSIS REPORT

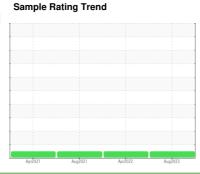
Charlestown Machine Id 634

Component

Diesel Engine

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Moor

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

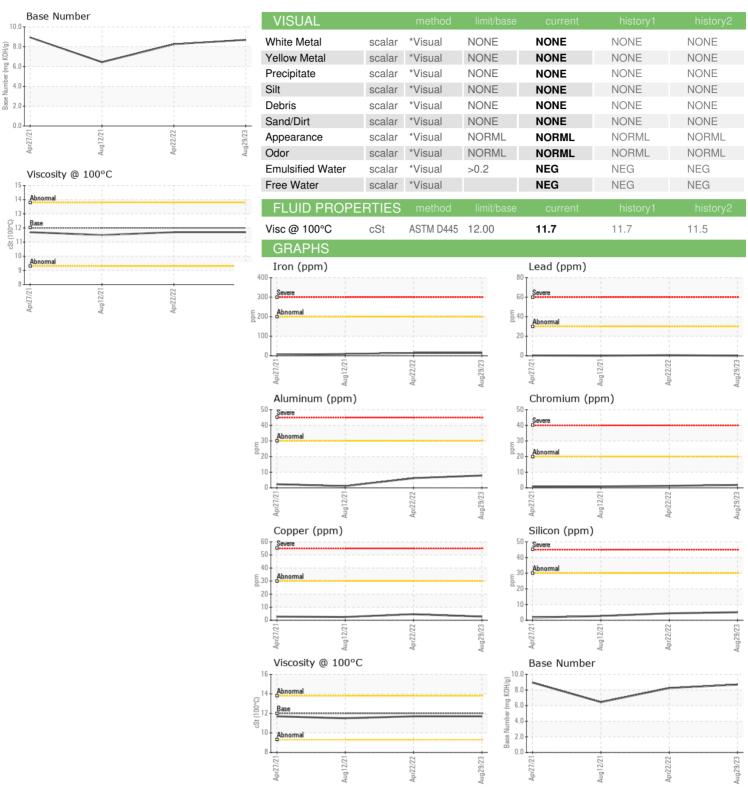
Fluid Condition

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

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0078370	WC0594312	WC0570381
Sample Date		Client Info		29 Aug 2023	22 Apr 2022	12 Aug 2021
Machine Age	mls	Client Info		0	0	333352
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
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
Iron	ppm	ASTM D5185m	>200	14	14	9
Chromium	ppm	ASTM D5185m	>200	2	1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>30	8	6	1
Lead	ppm	ASTM D5185m	>30	0	<1	0
Copper	ppm	ASTM D5185m	>30	3	5	2
Tin	ppm	ASTM D5185m	>15	<1	1	<1
Antimony	ppm	ASTM D5185m	>10			0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
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ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	0	4	5
Barium	ppm	ASTM D5185m	0	2	0	0
Molybdenum	ppm	ASTM D5185m	50	70	59	68
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	950	1075	993	1028
Calcium	ppm	ASTM D5185m	1050	1212	1154	1207
Phosphorus	ppm	ASTM D5185m	995	1136	1051	1114
Zinc	ppm	ASTM D5185m	1180	1421	1260	1240
Sulfur	ppm	ASTM D5185m	2600	3516	2599	2866
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	5	4	3
Sodium	ppm	ASTM D5185m		2	2	2
Potassium	ppm	ASTM D5185m	>20	7	2	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7	0.5	0.4
Nitration	Abs/cm	*ASTM D7624	>20	9.2	9.6	8.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.1	21.1	20.4
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
FLUID DEGRAD	DATION Abs/.1mm	method *ASTM D7414	limit/base	current 16.7	history1	history2



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Certificate L2367

Laboratory

Sample No. Lab Number **Unique Number**

: 05941514 : 10632126 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 01 Sep 2023 : PCA0078370 Received

Diagnosed Diagnostician

: 05 Sep 2023 : Wes Davis

To discuss this sample report, contact Customer Service at 1-800-237-1369. glenn.davis@diversifiedauto.com

* - 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)

PORTSIDE TRUCK AND AUTO - DIVERSIFIED AUTO

US 02129

T:

F:

100 TERMINAL ST

CHARLESTOWN, MA

Contact: GLEN DAVIS