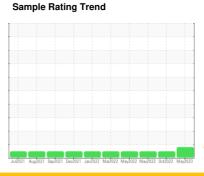


OIL ANALYSIS REPORT

RIDGEWAY [RIDGEWAY] DB170106E Unit 06

Natural Gas Engine

PETRO CANADA DURON MOTOR OIL SAE 40 (350 GAL)





DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

Light fuel dilution occurring.

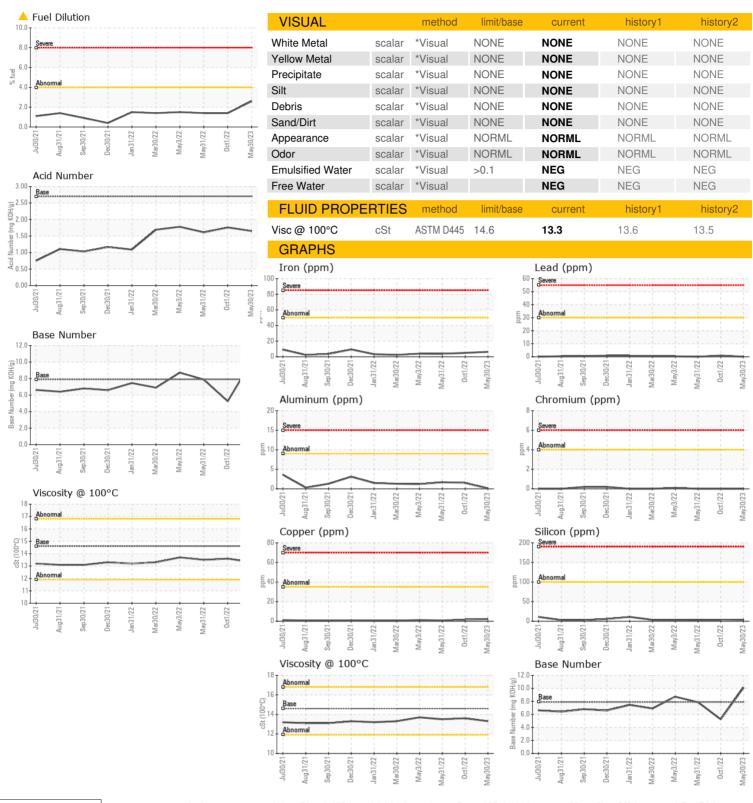
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0094543	PCA0053722	PCA0053721
Sample Date		Client Info		30 May 2023	01 Oct 2022	31 May 2022
Machine Age	hrs	Client Info		13540	13195	13060
Oil Age	hrs	Client Info		11119	10774	10639
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				MARGINAL	NORMAL	NORMAL
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	6	5	4
Chromium	ppm	ASTM D5185m	>4	0	0	0
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>9	<1	2	2
Lead	ppm	ASTM D5185m	>30	0	<1	0
Copper	ppm	ASTM D5185m	>35	2	2	<1
Tin	ppm	ASTM D5185m	>4	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	1.0	12	14	24
Barium	ppm	ASTM D5185m	1.0	0	0	0
Molybdenum	ppm	ASTM D5185m	1.0	14	17	23
Manganese	ppm	ASTM D5185m	1	<1	<1	<1
Magnesium	ppm	ASTM D5185m	15	839	804	758
Calcium	ppm	ASTM D5185m	2540	1220	1260	1334
Phosphorus	ppm	ASTM D5185m	1000	1049	1092	1074
Zinc	ppm	ASTM D5185m	1110	1230	1211	1248
Sulfur	ppm	ASTM D5185m	3700	3828	3947	3592
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	4	3	2
Sodium	ppm	ASTM D5185m		2	<1	<1
Determine				_		
Potassium	ppm	ASTM D5185m	>20	0	0	0
Fuel	ppm %	ASTM D5185m ASTM D3524			0 1.4	0 1.4
	• • • • • • • • • • • • • • • • • • • •			0		
Fuel INFRA-RED Soot %	• • • • • • • • • • • • • • • • • • • •	ASTM D3524 method *ASTM D7844	>4.0 limit/base	0 2.6 current 0.1	1.4 history1 0.1	1.4 history2 0.1
Fuel INFRA-RED	%	ASTM D3524 method	>4.0 limit/base	0 2.6 current	1.4 history1	1.4 history2
Fuel INFRA-RED Soot %	%	ASTM D3524 method *ASTM D7844	>4.0 limit/base	0 2.6 current 0.1	1.4 history1 0.1	1.4 history2 0.1
Fuel INFRA-RED Soot % Nitration	% % Abs/cm Abs/.1mm	method *ASTM D7844 *ASTM D7624 *ASTM D7415	>4.0 limit/base >20	0 ▲ 2.6 current 0.1 4.1	1.4 history1 0.1 4.4	1.4 history2 0.1 4.0
Fuel INFRA-RED Soot % Nitration Sulfation	% % Abs/cm Abs/.1mm	method *ASTM D7844 *ASTM D7624 *ASTM D7415	>4.0 limit/base >20 >30	0 ▲ 2.6 current 0.1 4.1 13.6	1.4 history1 0.1 4.4 14.2	1.4 history2 0.1 4.0 12.7
Fuel INFRA-RED Soot % Nitration Sulfation FLUID DEGRAD	% % Abs/cm Abs/.1mm DATION	method *ASTM D7844 *ASTM D7624 *ASTM D7415 method	>4.0 limit/base >20 >30 limit/base >25	0 ▲ 2.6 current 0.1 4.1 13.6 current	1.4 history1 0.1 4.4 14.2 history1	1.4 history2 0.1 4.0 12.7 history2



OIL ANALYSIS REPORT







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

: 05863662

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 02 Jun 2023 : PCA0094543

Diagnosed : 06 Jun 2023 : 10498127 Diagnostician : Don Baldridge Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel)

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)

20471 West 230 Place Ridgeway, MO US 64481

Contact: Kevin Meister kevin.meister@magellanlp.com T: (660)872-6417

F: