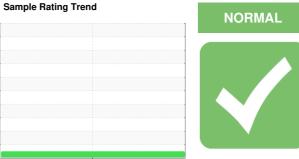


OIL ANALYSIS REPORT



Machine Id **236690**

Component **Diesel Engine**

PETRO CANADA DURON GEO LD 15W40

DIAGNOSIS

Recommendation

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

Metal levels are typical for a components first oil change.

Contamination

Fuel content negligible. 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)				Nov2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0057357		
Sample Date		Client Info		16 Nov 2023		
Machine Age	mls	Client Info		29263		
Oil Age	mls	Client Info		29263		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>165	30		
Chromium	ppm	ASTM D5185m	>5	1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m		3		
Lead	ppm	ASTM D5185m	>150	8		
Copper	ppm	ASTM D5185m		14		
Tin	ppm	ASTM D5185m	>5	2		
Vanadium	ppm	ASTM D5185m	75	<1		
Cadmium	ppm	ASTM D5185m		0		
	ррпп					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	15		
Barium	ppm	ASTM D5185m	5	0		
Molybdenum	ppm	ASTM D5185m	50	55		
Manganese	ppm	ASTM D5185m	0	4		
Magnesium	ppm	ASTM D5185m	560	847		
Calcium	ppm	ASTM D5185m	1510	1310		
Phosphorus	ppm	ASTM D5185m	780	690		
Zinc	ppm	ASTM D5185m	870	976		
Sulfur	ppm	ASTM D5185m	2040	2297		
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	90		
Sodium	ppm	ASTM D5185m		6		
Potassium	ppm	ASTM D5185m	>20	9		
Fuel	%	ASTM D3524	>3.0	0.2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>7.5	0.1		
Soot % Nitration	% Abs/cm	*ASTM D7844 *ASTM D7624	>7.5 >20	0.1 13.3		
Nitration	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415	>20	13.3		
Nitration Sulfation FLUID DEGRA	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415 method	>20 >30 limit/base	13.3 25.3 current	 history1	history2
Nitration Sulfation	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415	>20 >30	13.3 25.3		



OIL ANALYSIS REPORT







Certificate L2367

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

: PCA0057357 : 06015821 : 10754965

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Nov 2023 Diagnosed : 27 Nov 2023 Diagnostician : Wes Davis

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)

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152 FRANK WEST CIRCLE

F: (209)888-6196

STOCKTON, CA

US 95206

Report Id: VALSTO [WUSCAR] 06015821 (Generated: 11/29/2023 22:56:34) Rev: 1

Contact/Location: MARCEY LIGHTFOOT - VALSTO