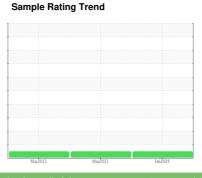


OIL ANALYSIS REPORT

(16070Z) Walgreens - Tractor [Walgreens - Tractor] 136A61362

Diesel Engine

PETRO CANADA DURON SHP 10W30 (11 GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

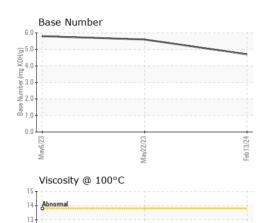
Fluid Condition

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

Sample Date	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age mls Client Info 0 353439 348208	Sample Number		Client Info		PCA0117297	PCA0094705	PCA0094721
Oil Age	Sample Date		Client Info		13 Feb 2024	22 May 2023	06 May 2023
Cilient Info	Machine Age	mls	Client Info		0	353439	348208
NORMAL NORMAL NORMAL NORMAL CONTAMINATION method limit/base current history1 history2 history2 history2 NEG NE	Oil Age	mls	Client Info		0	60317	55086
CONTAMINATION	Oil Changed		Client Info		N/A	Changed	Not Changd
Fuel	Sample Status				NORMAL	NORMAL	NORMAL
Water WC Method >0.2 NEG NEG NEG Glycol WC Method Imitibase NEG NEG NEG WEAR METALS method limitibase current history1 history2 Iron ppm ASTM D5185m >80 28 25 24 Chromium ppm ASTM D5185m >5 2 2 2 2 Nickel ppm ASTM D5185m >2 0 <1	CONTAMINAT	ION	method	limit/base	current	history1	history2
WEAR METALS	Fuel		WC Method	>5	<1.0	<1.0	<1.0
WEAR METALS	Water		WC Method	>0.2	NEG	NEG	NEG
Chromium	Glycol		WC Method		NEG	NEG	NEG
Chromium	WEAR METAL	S	method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>80	28	25	24
Nickel	Chromium	ppm	ASTM D5185m	>5	2	2	2
Titanium	Nickel			>2	0	<1	<1
Silver	Titanium		ASTM D5185m		<1	1	<1
Aluminum	Silver		ASTM D5185m	>3	0	<1	0
Lead	Aluminum	• •	ASTM D5185m	>30	11	9	10
Copper ppm ASTM D5185m >150 5 6 5 Tin ppm ASTM D5185m >5 <1	Lead			>30	0	0	<1
Tin	Copper		ASTM D5185m	>150	5	6	5
Vanadium ppm ASTM D5185m <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	Tin				<1	<1	<1
Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 2 <1	Vanadium	• •	ASTM D5185m			<1	<1
Boron	Cadmium				0	0	0
Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 50 59 62 66 Manganese ppm ASTM D5185m 0 <1 1 <1 Magnesium ppm ASTM D5185m 950 894 1052 1057 Calcium ppm ASTM D5185m 1050 1081 1149 1205 Phosphorus ppm ASTM D5185m 995 947 1028 1085 Zinc ppm ASTM D5185m 995 947 1028 1085 Zinc ppm ASTM D5185m 2600 2393 2856 3263 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 6 5 5 Sodium ppm ASTM D5185m >20 2 4 8 INFRA-RED method limit/base	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 50 59 62 66 Manganese ppm ASTM D5185m 0 <1 1 <1 Magnesium ppm ASTM D5185m 950 894 1052 1057 Calcium ppm ASTM D5185m 1050 1081 1149 1205 Phosphorus ppm ASTM D5185m 995 947 1028 1085 Zinc ppm ASTM D5185m 995 947 1028 1085 Zinc ppm ASTM D5185m 2600 2393 2856 3263 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 6 5 5 Sodium ppm ASTM D5185m >20 2 4 8 INFRA-RED method limit/base current history1 history2 Soot % *6 *ASTM D7844	Boron	ppm	ASTM D5185m	2	<1	0	1
Manganese ppm ASTM D5185m 0 <1 1 <1 Magnesium ppm ASTM D5185m 950 894 1052 1057 Calcium ppm ASTM D5185m 1050 1081 1149 1205 Phosphorus ppm ASTM D5185m 995 947 1028 1085 Zinc ppm ASTM D5185m 1180 1168 1311 1407 Sulfur ppm ASTM D5185m 2600 2393 2856 3263 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 6 5 5 Sodium ppm ASTM D5185m >20 2 4 8 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1 0.8 0.7 Nitration Abs/cm *ASTM D7845	Barium	ppm	ASTM D5185m	0	0	0	0
Magnesium ppm ASTM D5185m 950 894 1052 1057 Calcium ppm ASTM D5185m 1050 1081 1149 1205 Phosphorus ppm ASTM D5185m 1050 947 1028 1085 Zinc ppm ASTM D5185m 995 947 1028 1085 Zinc ppm ASTM D5185m 1180 1168 1311 1407 Sulfur ppm ASTM D5185m 2600 2393 2856 3263 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 6 5 5 Sodium ppm ASTM D5185m >20 2 4 8 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7624 >20 9.8 9.8 9.3 Sulfation Abs/.1mm *ASTM D7415 <th>Molybdenum</th> <td>ppm</td> <td>ASTM D5185m</td> <td>50</td> <th>59</th> <td>62</td> <td>66</td>	Molybdenum	ppm	ASTM D5185m	50	59	62	66
Calcium ppm ASTM D5185m 1050 1081 1149 1205 Phosphorus ppm ASTM D5185m 995 947 1028 1085 Zinc ppm ASTM D5185m 1180 1168 1311 1407 Sulfur ppm ASTM D5185m 2600 2393 2856 3263 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 6 5 5 Sodium ppm ASTM D5185m >20 2 4 8 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1 0.8 0.7 Nitration Abs/cm *ASTM D7624 >20 9.8 9.8 9.3 Sulfation Abs/.1mm *ASTM D7415 >30 22.1 23.2 22.4 FLUID DEGRADATION *ASTM D7414	Manganese	ppm	ASTM D5185m	0	<1	1	<1
Phosphorus ppm ASTM D5185m 995 947 1028 1085 Zinc ppm ASTM D5185m 1180 1168 1311 1407 Sulfur ppm ASTM D5185m 2600 2393 2856 3263 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 6 5 5 Sodium ppm ASTM D5185m >20 2 4 8 Potassium ppm ASTM D5185m >20 2 4 8 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7624 >20 9.8 9.8 9.3 Sulfation Abs/.1mm *ASTM D7415 >30 22.1 23.2 22.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm <td< td=""><th>Magnesium</th><td>ppm</td><td>ASTM D5185m</td><td>950</td><th>894</th><td>1052</td><td>1057</td></td<>	Magnesium	ppm	ASTM D5185m	950	894	1052	1057
Zinc ppm ASTM D5185m 1180 1168 1311 1407 Sulfur ppm ASTM D5185m 2600 2393 2856 3263 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 6 5 5 Sodium ppm ASTM D5185m >20 2 4 8 Potassium ppm ASTM D5185m >20 2 4 8 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1 0.8 0.7 Nitration Abs/cm *ASTM D7624 >20 9.8 9.8 9.3 Sulfation Abs/.1mm *ASTM D7415 >30 22.1 23.2 22.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm	Calcium	ppm	ASTM D5185m	1050	1081	1149	1205
Zinc ppm ASTM D5185m 1180 1168 1311 1407 Sulfur ppm ASTM D5185m 2600 2393 2856 3263 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 6 5 5 Sodium ppm ASTM D5185m 1 3 2 Potassium ppm ASTM D5185m >20 2 4 8 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1 0.8 0.7 Nitration Abs/cm *ASTM D7624 >20 9.8 9.8 9.3 Sulfation Abs/.1mm *ASTM D7415 >30 22.1 23.2 22.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414	Phosphorus	ppm	ASTM D5185m	995	947	1028	1085
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 6 5 5 Sodium ppm ASTM D5185m 1 3 2 Potassium ppm ASTM D5185m >20 2 4 8 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1 0.8 0.7 Nitration Abs/cm *ASTM D7624 >20 9.8 9.8 9.3 Sulfation Abs/.1mm *ASTM D7415 >30 22.1 23.2 22.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 18.1 19.6 18.8	Zinc	ppm	ASTM D5185m	1180	1168	1311	1407
Silicon ppm ASTM D5185m >20 6 5 5 Sodium ppm ASTM D5185m 1 3 2 Potassium ppm ASTM D5185m >20 2 4 8 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1 0.8 0.7 Nitration Abs/cm *ASTM D7624 >20 9.8 9.8 9.3 Sulfation Abs/.1mm *ASTM D7415 >30 22.1 23.2 22.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 18.1 19.6 18.8	Sulfur	ppm	ASTM D5185m	2600	2393	2856	3263
Sodium ppm ASTM D5185m 1 3 2 Potassium ppm ASTM D5185m >20 2 4 8 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1 0.8 0.7 Nitration Abs/cm *ASTM D7624 >20 9.8 9.8 9.3 Sulfation Abs/.1mm *ASTM D7415 >30 22.1 23.2 22.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 18.1 19.6 18.8	CONTAMINAN	TS	method	limit/base	current	history1	history2
Sodium ppm ASTM D5185m 1 3 2 Potassium ppm ASTM D5185m >20 2 4 8 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1 0.8 0.7 Nitration Abs/cm *ASTM D7624 >20 9.8 9.8 9.3 Sulfation Abs/.1mm *ASTM D7415 >30 22.1 23.2 22.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 18.1 19.6 18.8	Silicon	ppm	ASTM D5185m	>20	6	5	5
Potassium ppm ASTM D5185m >20 2 4 8 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1 0.8 0.7 Nitration Abs/cm *ASTM D7624 >20 9.8 9.8 9.3 Sulfation Abs/.1mm *ASTM D7415 >30 22.1 23.2 22.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 18.1 19.6 18.8	Sodium	• •	ASTM D5185m			3	2
Soot % *ASTM D7844 >3 1 0.8 0.7 Nitration Abs/cm *ASTM D7624 >20 9.8 9.8 9.3 Sulfation Abs/.1mm *ASTM D7415 >30 22.1 23.2 22.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 18.1 19.6 18.8	Potassium	ppm	ASTM D5185m	>20	2	4	8
Nitration Abs/cm *ASTM D7624 >20 9.8 9.8 9.3 Sulfation Abs/.1mm *ASTM D7415 >30 22.1 23.2 22.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 18.1 19.6 18.8	INFRA-RED		method	limit/base	current	history1	history2
Sulfation Abs/.1mm *ASTM D7415 >30 22.1 23.2 22.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 18.1 19.6 18.8	Soot %	%	*ASTM D7844	>3	1	0.8	0.7
Sulfation Abs/.1mm *ASTM D7415 >30 22.1 23.2 22.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 18.1 19.6 18.8	Nitration	Abs/cm	*ASTM D7624	>20	9.8	9.8	9.3
Oxidation	Sulfation	Abs/.1mm	*ASTM D7415	>30			
	FLUID DEGRAD	OATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	18.1	19.6	18.8
	Base Number (BN)						



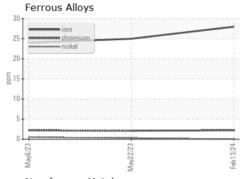
OIL ANALYSIS REPORT

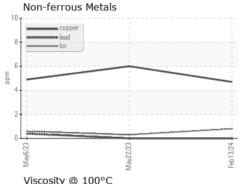


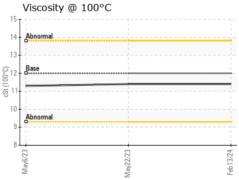
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

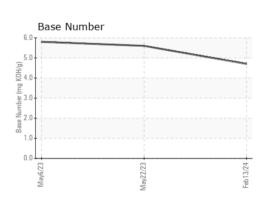
FLUID PROPI	ERIIES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	12.00	11.4	11.4	11.3

GRAPHS











Certificate L2367

Laboratory Sample No.

Lab Number : 06097387 Unique Number : 10890240 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0117297 Received : 22 Feb 2024 **Tested**

Diagnosed

: 23 Feb 2024 : 23 Feb 2024 - Wes Davis

Transervice - Shop 1367 - Berkeley-Jupiter 15998 Walgreens Drive Jupiter, FL

US 33478 Contact: Manny Gonzalez

To discuss this sample report, contact Customer Service at 1-800-237-1369. egonzalez@transervice.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (561)776-0755 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (561)776-0799

Report Id: TSV1367 [WUSCAR] 06097387 (Generated: 02/23/2024 12:01:30) Rev: 1

Submitted By: Erien White