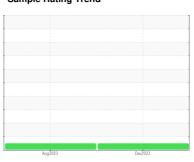


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **632652**

Component
Diesel Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

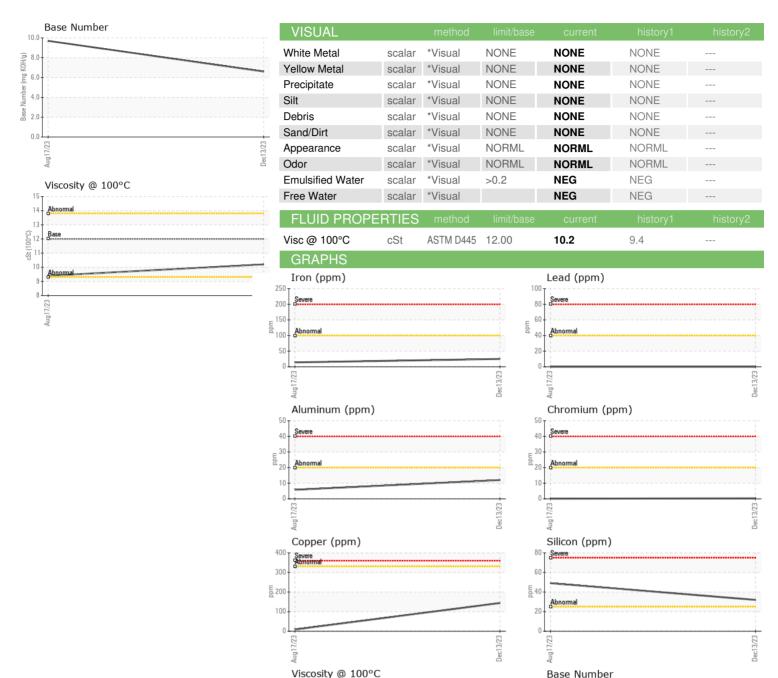
Fluid Condition

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

SAMPLE INFORMATION method limit/base current history1 history2 history2 sample Date Client Info 13 Dec 2023 17 Aug 2023	A1.\						
Cample Number Client Info PCA0113343 PCA0104297	AL)			Aug2023	Dec2023		
Sample Date Client Info 13 Dec 2023 17 Aug 2023	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age mls Client Info 9515 439	Sample Number		Client Info		PCA0113343	PCA0104297	
Dil Age	Sample Date		Client Info		13 Dec 2023	17 Aug 2023	
Contained Client Info Changed Not Changed Contained Normal Contained Normal Contained Contained Normal Contained	•	mls	Client Info				
CONTAMINATION method limit/base current history1 history2 history3 history4 history5 histo	-	mls			-		
CONTAMINATION method limit/base current history1 history3 Fuel WC Method >5 <1.0	•		Client Info			_	
Value					NORMAL	NORMAL	
Water WC Method So.2 NEG NEG Silycol WC Method NEG NEG	CONTAMINATI	ION	method	limit/base	current	history1	history2
WEAR METALS	Fuel		WC Method	>5	<1.0	<1.0	
WEAR METALS method limit/base current history1 history2 ron ppm ASTM D5185m >100 25 14	Nater		WC Method	>0.2	NEG	NEG	
Chromium	Glycol		WC Method		NEG	NEG	
Chromium	WEAR METALS	S	method	limit/base	current	history1	history2
Activation	ron	ppm	ASTM D5185m	>100	25	14	
Silver	Chromium	ppm	ASTM D5185m	>20	<1	<1	
Silver	Nickel	ppm	ASTM D5185m	>4	<1	<1	
Astrophysical Research Astrophysical Resea	Fitanium	ppm	ASTM D5185m		1	0	
December December	Silver	ppm	ASTM D5185m	>3	<1	0	
Description	Aluminum	ppm	ASTM D5185m	>20	12	6	
Company Comp	_ead	ppm	ASTM D5185m	>40	0	0	
Anadium	Copper	ppm	ASTM D5185m	>330	144	9	
ADDITIVES	- in	ppm	ASTM D5185m	>15	3	2	
ADDITIVES	/anadium	ppm	ASTM D5185m		0	0	
Soron ppm ASTM D5185m 2 154 501	Cadmium	ppm	ASTM D5185m		0	0	
Sarium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 50 109 120 Manganese ppm ASTM D5185m 0 3 3 Magnesium ppm ASTM D5185m 950 683 705 Calcium ppm ASTM D5185m 1050 1444 1503 Phosphorus ppm ASTM D5185m 995 737 729 Zinc ppm ASTM D5185m 995 737 729 Zinc ppm ASTM D5185m 2600 2387 3152 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 32 49 Sodium ppm ASTM D5185m 2 2 Potassium ppm ASTM D5185m 2 2 Potassium ppm ASTM D5185m 2 0 <t< td=""><td>Boron</td><td>ppm</td><td>ASTM D5185m</td><td>2</td><td>154</td><td>501</td><td></td></t<>	Boron	ppm	ASTM D5185m	2	154	501	
Manganese ppm ASTM D5185m 0 3 3 Magnesium ppm ASTM D5185m 950 683 705 Calcium ppm ASTM D5185m 1050 1444 1503 Phosphorus ppm ASTM D5185m 995 737 729 Zinc ppm ASTM D5185m 1180 875 874 Sulfur ppm ASTM D5185m 2600 2387 3152 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 32 49 Godium ppm ASTM D5185m 2 2 Potassium ppm ASTM D5185m 20 35 11 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0	Barium	ppm	ASTM D5185m	0	0	0	
Magnesium ppm ASTM D5185m 950 683 705 Calcium ppm ASTM D5185m 1050 1444 1503 Phosphorus ppm ASTM D5185m 995 737 729 Zinc ppm ASTM D5185m 1180 875 874 Sulfur ppm ASTM D5185m 2600 2387 3152 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 32 49 Potassium ppm ASTM D5185m >20 35 11 Potassium ppm ASTM D5185m >20 35 11 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.2 0.1 Sulfration Abs/cm *ASTM D7624 <td>Molybdenum</td> <td>ppm</td> <td>ASTM D5185m</td> <td>50</td> <td>109</td> <td>120</td> <td></td>	Molybdenum	ppm	ASTM D5185m	50	109	120	
Magnesium ppm ASTM D5185m 950 683 705 Calcium ppm ASTM D5185m 1050 1444 1503 Phosphorus ppm ASTM D5185m 995 737 729 Zinc ppm ASTM D5185m 1180 875 874 Sulfur ppm ASTM D5185m 2600 2387 3152 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 32 49 Potassium ppm ASTM D5185m >20 35 11 Potassium ppm ASTM D5185m >20 35 11 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.2 0.1 Sulfration Abs/cm *ASTM D7624 <td>Manganese</td> <td></td> <td>ASTM D5185m</td> <td>0</td> <td>3</td> <td>3</td> <td></td>	Manganese		ASTM D5185m	0	3	3	
Calcium ppm ASTM D5185m 1050 1444 1503 Phosphorus ppm ASTM D5185m 995 737 729 Pinc ppm ASTM D5185m 1180 875 874 Sulfur ppm ASTM D5185m 2600 2387 3152 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 32 49 Sodium ppm ASTM D5185m 2 2 Potassium ppm ASTM D5185m >20 35 11 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.2 0.1 Sulfation Abs/:nm *ASTM D7415 >30 24.5 24.5 FLUID DEGRADATION method limit/base <td< td=""><td>Magnesium</td><td></td><td></td><td>950</td><td>683</td><td>705</td><td></td></td<>	Magnesium			950	683	705	
Phosphorus ppm ASTM D5185m 995 737 729 Zinc ppm ASTM D5185m 1180 875 874 Sulfur ppm ASTM D5185m 2600 2387 3152 CONTAMINANTS method limit/base current history1 history2 Solicon ppm ASTM D5185m >25 32 49 Sodium ppm ASTM D5185m 2 2 Potassium ppm ASTM D5185m >20 35 11 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.2 0.1 Sulfation Abs/cm *ASTM D7415 >30 24.5 24.5 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25	Calcium		ASTM D5185m	1050	1444	1503	
Zinc ppm ASTM D5185m 1180 875 874 Sulfur ppm ASTM D5185m 2600 2387 3152 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 32 49 Sodium ppm ASTM D5185m 2 2 Potassium ppm ASTM D5185m >20 35 11 INFRA-RED method limit/base current history1 history2 Goot % % *ASTM D7844 >3 0.2 0.1 Sulfation Abs/cm *ASTM D7624 >20 11.3 5.8 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 23.6 19.9	Phosphorus	ppm	ASTM D5185m	995	737	729	
Sulfur ppm ASTM D5185m 2600 2387 3152 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 32 49 Sodium ppm ASTM D5185m 2 2 Potassium ppm ASTM D5185m >20 35 11 INFRA-RED method limit/base current history1 history2 Goot % % *ASTM D7844 >3 0.2 0.1 Sulfration Abs/cm *ASTM D7624 >20 11.3 5.8 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 23.6 19.9			ASTM D5185m	1180	875	874	
Solicon ppm ASTM D5185m >25 32 49	Sulfur		ASTM D5185m	2600	2387	3152	
Sodium ppm ASTM D5185m 2 2 Potassium ppm ASTM D5185m >20 35 11 INFRA-RED method limit/base current history1 history2 Goot % % *ASTM D7844 >3 0.2 0.1 Vitration Abs/cm *ASTM D7624 >20 11.3 5.8 Sulfation Abs/.1mm *ASTM D7415 >30 24.5 24.5 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 23.6 19.9	CONTAMINAN	TS	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 35 11 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.2 0.1 Nitration Abs/cm *ASTM D7624 >20 11.3 5.8 Sulfation Abs/.1mm *ASTM D7415 >30 24.5 24.5 FLUID DEGRADATION method limit/base current history1 history2 Dxidation Abs/.1mm *ASTM D7414 >25 23.6 19.9	Silicon	ppm	ASTM D5185m	>25	32	49	
INFRA-RED	Sodium	ppm	ASTM D5185m		2	2	
Soot %	Potassium	ppm	ASTM D5185m	>20	35	11	
Nitration Abs/cm *ASTM D7624 >20 11.3 5.8 Sulfation Abs/.1mm *ASTM D7415 >30 24.5 24.5 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 23.6 19.9	INFRA-RED		method	limit/base	current	history1	history2
Sulfation Abs/.1mm *ASTM D7415 >30 24.5 24.5 FLUID DEGRADATION method limit/base current history1 history2 Dxidation Abs/.1mm *ASTM D7414 >25 23.6 19.9	Soot %	%	*ASTM D7844	>3	0.2	0.1	
Sulfation Abs/.1mm *ASTM D7415 >30 24.5 24.5 FLUID DEGRADATION method limit/base current history1 history2 Dxidation Abs/.1mm *ASTM D7414 >25 23.6 19.9	Nitration	Abs/cm	*ASTM D7624	>20	11.3	5.8	
Oxidation Abs/.1mm *ASTM D7414 >25 23.6 19.9	Sulfation	Abs/.1mm	*ASTM D7415	>30	24.5	24.5	
	FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
		Abs/.1mm	*ASTM D7414	>25	23.6	19.9	
	Base Number (BN)				6.6	9.7	



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

100

: PCA0113343 : 06042566 : 10803174

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 21 Dec 2023 Recieved Diagnosed : 24 Dec 2023

Diagnostician : Don Baldridge Test Package : MOB 1 (Additional Tests: TBN) To discuss this sample report, contact Customer Service at 1-800-237-1369.

10. (mg K0H/g)

4.0 Sase 1 0.0

* - 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)

MILLER TRUCK LEASING #119

39 INDUSTRIAL AVE HASBROUCK HEIGHTS, NJ US 07604

Contact: MIKE LONGETTE mlongette@millertransgroup.com T:

F: (201)528-7053