

OIL ANALYSIS REPORT



Machine Id 130192

Component **Diesel Engine**

PETRO CANADA DURON SHP 10W30 (--- 0

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

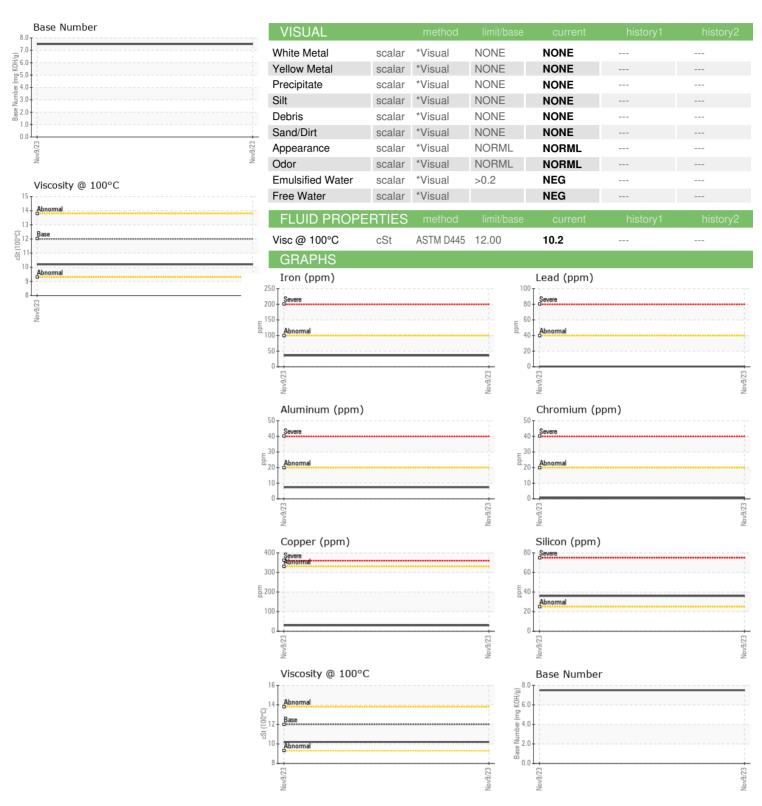
Fluid Condition

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

SAMPLE INFORMATION method limit/base current history1 history2 sample Number Client Info 09 Nov 2023 Machine Age mls Client Info 09 Nov 2023							
Cample Number Client Info PCA0110487 Client Info OB Nov 2023 Client OB Nov 2023 Client Info OB Nov 2023 Client Info OB Nov 2023 Client OB Nov 2023 Client Info OB Nov 2023 Client OB No	AL)				Nov2023		
Client Info	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Machine Age mls	Sample Number		Client Info		PCA0110487		
Dil Changed	Sample Date		Client Info		09 Nov 2023		
Clichanged Client Info N/A Client Info N/A NORMAL Client Info NORMAL Client Info NORMAL Client Info Normal Climit/base current history1 history2 Contamination Normal Client Client Normal Client Client Normal Client Cli	Machine Age	mls	Client Info		334		
CONTAMINATION method limit/base current history1 history2 value WC Method >5 <1.0	Oil Age	mls	Client Info		0		
CONTAMINATION method limit/base current history1 history2	Oil Changed		Client Info		N/A		
Fuel	Sample Status				NORMAL		
Water WC Method So.2 NEG Silycol WC Method NEG WC Method NEG WC Method NEG WC Method NEG WC Method WE MEG WC Method	CONTAMINAT	TION	method	limit/base	current	history1	history2
WEAR METALS	uel		WC Method	>5	<1.0		
WEAR METALS method limit/base current history1 history2 ron ppm ASTM D5185m >100 36 Chromium ppm ASTM D5185m >20 <1	<i>N</i> ater		WC Method	>0.2	NEG		
Chromium	Glycol		WC Method		NEG		
ASTM D5185m	WEAR METAL	_S	method	limit/base	current	history1	history2
Astanton	ron	ppm	ASTM D5185m	>100	36		
Silver	Chromium	ppm	ASTM D5185m	>20	<1		
Silver	Nickel	ppm	ASTM D5185m	>4	0		
Astronometric Astronometri	- Titanium	ppm	ASTM D5185m		<1		
Accepted	Silver	ppm	ASTM D5185m	>3	0		
Copper	Aluminum	ppm	ASTM D5185m	>20	7		
Sin	.ead	ppm	ASTM D5185m	>40	<1		
Anadium	Copper	ppm	ASTM D5185m	>330	30		
ADDITIVES	in	ppm	ASTM D5185m	>15	1		
ADDITIVES	/anadium	ppm	ASTM D5185m		<1		
Soron ppm ASTM D5185m 2 159	Cadmium	ppm	ASTM D5185m		0		
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 50 28 Manganese ppm ASTM D5185m 0 2 Magnesium ppm ASTM D5185m 950 335 Calcium ppm ASTM D5185m 1050 1038 Phosphorus ppm ASTM D5185m 1180 1043 Zinc ppm ASTM D5185m 2600 2902 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 25 36 Godium ppm ASTM D5185m 20 4 Potassium ppm ASTM D5185m 20 4 Potassium ppm ASTM D5185m 20 4 Soot % *ASTM D7844 >3	Boron	ppm	ASTM D5185m	2	159		
Manganese ppm ASTM D5185m 0 2 Magnesium ppm ASTM D5185m 950 335 Calcium ppm ASTM D5185m 1050 1038 Phosphorus ppm ASTM D5185m 995 842 Zinc ppm ASTM D5185m 1180 1043 Sulfur ppm ASTM D5185m 2600 2902 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 36 Godium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m 20 4 Potassium ppm ASTM D5185m 20 4 Potassium ppm ASTM D5185m >20	Barium	ppm	ASTM D5185m	0	0		
Manganese ppm ASTM D5185m 0 2 Magnesium ppm ASTM D5185m 950 335 Calcium ppm ASTM D5185m 1050 1038 Phosphorus ppm ASTM D5185m 995 842 Zinc ppm ASTM D5185m 1180 1043 Sulfur ppm ASTM D5185m 2600 2902 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 36 Potassium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m 20 4 Potassium ppm ASTM D5185m 20 4 Potassium ppm ASTM D5185m >20 <td>Molybdenum</td> <td>ppm</td> <td>ASTM D5185m</td> <td>50</td> <td>28</td> <td></td> <td></td>	Molybdenum	ppm	ASTM D5185m	50	28		
Calcium ppm ASTM D5185m 1 050 1038 Phosphorus ppm ASTM D5185m 995 842 Zinc ppm ASTM D5185m 1180 1043 Sulfur ppm ASTM D5185m 2600 2902 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 36 Potassium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 4 Potassium ppm ASTM D5185m >20 4 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7624 >20 6.2 Sulfation Abs/.1mm *ASTM D7415 >30 </td <td>-</td> <td></td> <td>ASTM D5185m</td> <td>0</td> <td>2</td> <td></td> <td></td>	-		ASTM D5185m	0	2		
Calcium ppm ASTM D5185m 1050 1038 Phosphorus ppm ASTM D5185m 995 842 Zinc ppm ASTM D5185m 1180 1043 Sulfur ppm ASTM D5185m 2600 2902 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 36 Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 4 INFRA-RED method limit/base current history1 history2 Soot % "ASTM D7844 >3 0.2 Sulfation Abs/:nm "ASTM D7415 >30 19.2 FLUID DEGRADATION method limit/base current	/lagnesium	ppm	ASTM D5185m	950	335		
Phosphorus ppm ASTM D5185m 995 842 Finc ppm ASTM D5185m 1180 1043 Sulfur ppm ASTM D5185m 2600 2902 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 36 Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 4 INFRA-RED method limit/base current history1 history2 Soot % "ASTM D7844 >3 0.2 Silicon Abs/cm "ASTM D7624 >20 6.2 Silicon Abs/.1mm "ASTM D7624 >20 19.2 Silicon Abs/.1mm "ASTM D7624 >25 15.	-		ASTM D5185m	1050	1038		
Contamination State Stat	Phosphorus		ASTM D5185m	995	842		
Sulfur ppm ASTM D5185m 2600 2902 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 36 Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m 20 4 INFRA-RED method limit/base current history1 history2 Goot % % *ASTM D7844 >3 0.2 Sulfration Abs/cm *ASTM D7624 >20 6.2 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 15.6			ASTM D5185m	1180	1043		
Solicon ppm ASTM D5185m >25 36	Sulfur		ASTM D5185m	2600	2902		
Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 4 INFRA-RED method limit/base current history1 history2 Goot % % *ASTM D7844 >3 0.2 Vitration Abs/cm *ASTM D7624 >20 6.2 Sulfation Abs/.1mm *ASTM D7415 >30 19.2 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 15.6	CONTAMINAN	NTS	method	limit/base	current	history1	history2
Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 4 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.2 Vitration Abs/cm *ASTM D7624 >20 6.2 Sulfation Abs/.1mm *ASTM D7415 >30 19.2 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 15.6	Silicon	ppm	ASTM D5185m	>25	36		
Potassium ppm ASTM D5185m >20 4 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.2 Sitration Abs/cm *ASTM D7624 >20 6.2 Sulfation Abs/.1mm *ASTM D7415 >30 19.2 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 15.6	Sodium		ASTM D5185m		2		
Goot % % *ASTM D7844 >3 0.2 Nitration Abs/cm *ASTM D7624 >20 6.2 Gulfation Abs/.1mm *ASTM D7415 >30 19.2 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 15.6	Potassium	ppm	ASTM D5185m	>20	4		
Abs/cm *ASTM D7624 >20 6.2 Sulfation Abs/.1mm *ASTM D7415 >30 19.2 FLUID DEGRADATION method limit/base current history1 history2 Dividation Abs/.1mm *ASTM D7414 >25 15.6	INFRA-RED		method	limit/base	current	history1	history2
Sulfation Abs/.1mm *ASTM D7415 >30 19.2 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 15.6	Soot %	%	*ASTM D7844	>3	0.2		
Sulfation Abs/.1mm *ASTM D7415 >30 19.2 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 15.6	Vitration	Abs/cm	*ASTM D7624	>20			
Oxidation Abs/.1mm *ASTM D7414 >25 15.6							
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	15.6		
	Base Number (BN)	mg KOH/g	ASTM D2896		7.5		



OIL ANALYSIS REPORT







Certificate L2367

Laboratory

Sample No. Lab Number **Unique Number**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0110487 : 06012974 : 10752118

Received : 20 Nov 2023 Diagnosed : 22 Nov 2023 Diagnostician : Jonathan Hester

Test Package : MOB 1 (Additional Tests: TBN) 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.

MILLER TRUCK LEASING #119

39 INDUSTRIAL AVE HASBROUCK HEIGHTS, NJ US 07604

Contact: MIKE LONGETTE

mlongette@millertransgroup.com T:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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