

# **OIL ANALYSIS REPORT**

Sample Rating Trend





# Machine Id **2118341**

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

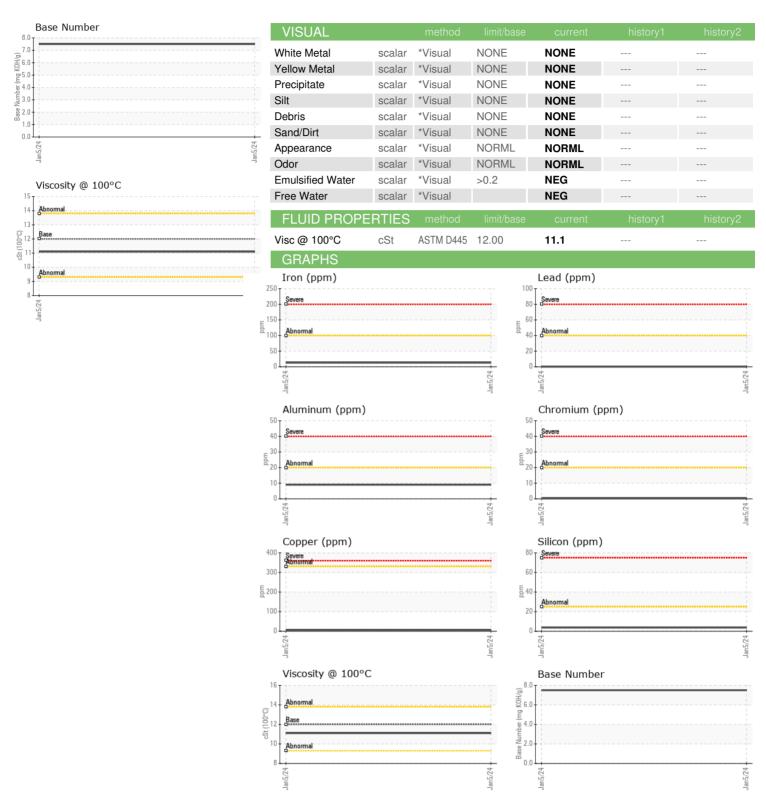
### **Fluid Condition**

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

Sample Number   Client Info   PCA0111382							
Sample Number   Client Info   PCA0111382	AL)				Jan 2024		
Client Info	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age   mls   Client Info   0   0   0   0   0   0   0   0   0	Sample Number		Client Info		PCA0111382		
Dil Age	Sample Date		Client Info		05 Jan 2024		
Containing	Machine Age	mls	Client Info		89979		
CONTAMINATION	Oil Age	mls	Client Info		0		
CONTAMINATION			Client Info				
Vicinity   Vicinity	Sample Status				NORMAL		
WEAR METALS	CONTAMINATI	ON	method	limit/base	current	history1	history2
WEAR METALS	<sup>=</sup> uel		WC Method	>5	<1.0		
WEAR METALS         method         limit/base         current         history1         histor           ron         ppm         ASTM D5185m         >100         13             Chromium         ppm         ASTM D5185m         >20         <1	Nater		WC Method	>0.2	NEG		
Chromium	Glycol		WC Method		NEG		
Schromium   Schr	WEAR METALS	S	method	limit/base	current	history1	history2
Silver	ron	ppm	ASTM D5185m	>100	13		
ASTM D5185m   STM D5185m   ST	Chromium	ppm	ASTM D5185m	>20	<1		
Saliver	Nickel	ppm	ASTM D5185m	>4	0		
Alluminum	- itanium	ppm	ASTM D5185m		<1		
December   December	Silver	ppm	ASTM D5185m	>3	0		
Copper	Aluminum	ppm	ASTM D5185m	>20	9		
Academium	ead	ppm	ASTM D5185m	>40	0		
Aanadium	Copper	ppm	ASTM D5185m	>330	5		
ADDITIVES	- Tin	ppm	ASTM D5185m	>15	0		
ADDITIVES         method         limit/base         current         history1         history1           Boron         ppm         ASTM D5185m         2         148             Barium         ppm         ASTM D5185m         0         0             Molybdenum         ppm         ASTM D5185m         50         5             Manganese         ppm         ASTM D5185m         0         0             Magnesium         ppm         ASTM D5185m         950         87             Calcium         ppm         ASTM D5185m         995         845             Phosphorus         ppm         ASTM D5185m         995         845             Phosphorus         ppm         ASTM D5185m         2600         3219             Sulfur         ppm         ASTM D5185m         2600         3219             CONTAMINANTS         method         limit/base         current         history1         history1           Solicon         ppm         ASTM D5185m	/anadium	ppm	ASTM D5185m		<1		
Soron   ppm   ASTM D5185m   2   148       ASTM D5185m   0   0   0       Adolybdenum   ppm   ASTM D5185m   50   5       Adagnaese   ppm   ASTM D5185m   0   0   0       Adagnaese   ppm   ASTM D5185m   0   0   0       Adagnaesium   ppm   ASTM D5185m   950   87       Adagnaesium   ppm   ASTM D5185m   1050   1976       ASTM D5185m   995   845       ASTM D5185m   1180   1098         ASTM D5185m   2600   3219         ASTM D5185m   2600   3219         ASTM D5185m   22         ASTM D5185m   22         ASTM D5185m   22         ASTM D5185m   20   13         ASTM D5185m   20   13         ASTM D5185m   20   13         ASTM D5185m   20   13           ASTM D5185m   20   13         ASTM D5185m   20   33         ASTM D5185m   20   34           ASTM D5185m   20   34           ASTM D5185m   20   34           ASTM D5185m           ASTM D5185m   -	Cadmium	ppm	ASTM D5185m		0		
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185m         50         5             Manganese         ppm         ASTM D5185m         0         0             Magnesium         ppm         ASTM D5185m         950         87             Calcium         ppm         ASTM D5185m         1050         1976             Phosphorus         ppm         ASTM D5185m         995         845             Zinc         ppm         ASTM D5185m         995         845             Zinc         ppm         ASTM D5185m         2600         3219             Contamination         ppm         ASTM D5185m         2600         3219             Contamination         ppm         ASTM D5185m         >25         4             Potassium         ppm         ASTM D5185m         >25         4             Potassium         ppm         ASTM D5185m         >20         13             Potassium         ppm         ASTM	Boron	ppm	ASTM D5185m	2	148		
Manganese         ppm         ASTM D5185m         0         0             Magnesium         ppm         ASTM D5185m         950         87             Calcium         ppm         ASTM D5185m         1050         1976             Phosphorus         ppm         ASTM D5185m         995         845             Zinc         ppm         ASTM D5185m         2600         3219             Sulfur         ppm         ASTM D5185m         2600         3219             CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185m         >25         4             Godium         ppm         ASTM D5185m         2             Potassium         ppm         ASTM D5185m         >20         13             Potassium         ppm         ASTM D5185m         >20         13             Soot %         *ASTM D7844         >3         0.4	Barium	ppm	ASTM D5185m	0	0		
Manganese         ppm         ASTM D5185m         0         0             Magnesium         ppm         ASTM D5185m         950         87             Calcium         ppm         ASTM D5185m         1050         1976             Phosphorus         ppm         ASTM D5185m         995         845             Zinc         ppm         ASTM D5185m         2600         3219             Sulfur         ppm         ASTM D5185m         2600         3219             CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185m         >25         4             Potassium         ppm         ASTM D5185m         >20         13             Potassium         ppm         ASTM D5185m         >20         13             Potassium         ppm         ASTM D5185m         >20         13             Potassium         ppm         ASTM D5185m<	Molybdenum	ppm	ASTM D5185m	50	5		
Delicium	-	ppm	ASTM D5185m	0	0		
Calcium         ppm         ASTM D5185m         1 050         1976             Phosphorus         ppm         ASTM D5185m         995         845             Pinc         ppm         ASTM D5185m         1180         1098             Sulfur         ppm         ASTM D5185m         2600         3219             CONTAMINANTS         method         limit/base         current         history1         history1           Solicon         ppm         ASTM D5185m         >25         4             Potassium         ppm         ASTM D5185m         2             Potassium         ppm         ASTM D5185m         >20         13             Potassium         ppm         ASTM D5185m         >20         13             INFRA-RED         method         limit/base         current         history1         history1           Soot %         %         *ASTM D7844         >3         0.4             Sulfation         Abs/.1mm         *ASTM D7415         >30 </td <td>/lagnesium</td> <td></td> <td></td> <td>950</td> <td>87</td> <td></td> <td></td>	/lagnesium			950	87		
Contamination	Calcium		ASTM D5185m	1050	1976		
Contamination   State	Phosphorus	ppm	ASTM D5185m	995	845		
Gulfur         ppm         ASTM D5185m         2600         3219             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         4             Bodium         ppm         ASTM D5185m         2              Potassium         ppm         ASTM D5185m         >20         13             INFRA-RED         method         limit/base         current         history1         history           Soot %         %         *ASTM D7844         >3         0.4             Soulfation         Abs/.1mm         *ASTM D7624         >20         8.5             FLUID DEGRADATION         method         limit/base         current         history1         history           Dxidation         Abs/.1mm         *ASTM D7414         >25         17.8	•		ASTM D5185m	1180	1098		
Solicon   ppm   ASTM D5185m   >25   4	Sulfur		ASTM D5185m	2600	3219		
Sodium	CONTAMINAN	TS _	method	limit/base	current	history1	history2
Sodium         ppm         ASTM D5185m         2             Potassium         ppm         ASTM D5185m         >20         13             INFRA-RED         method         limit/base         current         history1         history           Soot %         %         *ASTM D7844         >3         0.4             Vitration         Abs/cm         *ASTM D7624         >20         8.5             Sulfation         Abs/.1mm         *ASTM D7415         >30         21.3             FLUID DEGRADATION         method         limit/base         current         history1         history           Oxidation         Abs/.1mm         *ASTM D7414         >25         17.8	Silicon	ppm	ASTM D5185m	>25	4		
Potassium         ppm         ASTM D5185m         >20         13             INFRA-RED         method         limit/base         current         history1         history           Soot %         %         *ASTM D7844         >3         0.4             Nitration         Abs/cm         *ASTM D7624         >20         8.5             Sulfation         Abs/.1mm         *ASTM D7415         >30         21.3             FLUID DEGRADATION         method         limit/base         current         history1         history           Dxidation         Abs/.1mm         *ASTM D7414         >25         17.8	Sodium	• •	ASTM D5185m		2		
Goot %         %         *ASTM D7844         >3         0.4             Vitration         Abs/cm         *ASTM D7624         >20         8.5             Sulfation         Abs/.1mm         *ASTM D7415         >30         21.3             FLUID DEGRADATION         method         limit/base         current         history1         history           Oxidation         Abs/.1mm         *ASTM D7414         >25         17.8	Potassium	ppm	ASTM D5185m	>20	13		
Nitration         Abs/cm         *ASTM D7624         >20         8.5             Sulfation         Abs/.1mm         *ASTM D7415         >30         21.3             FLUID DEGRADATION         method         limit/base         current         history1         history           Dxidation         Abs/.1mm         *ASTM D7414         >25         17.8	INFRA-RED_		method	limit/base	current	history1	history2
Sulfation         Abs/.1mm         *ASTM D7415         >30         21.3             FLUID DEGRADATION         method         limit/base         current         history1         history           Dxidation         Abs/.1mm         *ASTM D7414         >25         17.8	Soot %	%	*ASTM D7844	>3	0.4		
Sulfation         Abs/.1mm         *ASTM D7415         >30         21.3             FLUID DEGRADATION         method         limit/base         current         history1         history           Dxidation         Abs/.1mm         *ASTM D7414         >25         17.8	Nitration	Abs/cm	*ASTM D7624	>20	8.5		
Oxidation Abs/.1mm *ASTM D7414 >25 <b>17.8</b>	Sulfation		*ASTM D7415	>30			
	FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
		Abs/.1mm	*ASTM D7414	>25	17.8		
2030 INDITION TOTAL ACTIVIDED 1.5	Base Number (BN)	mg KOH/g			7.5		



# **OIL ANALYSIS REPORT**







Certificate L2367

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

: 06073519 : 10850196

: PCA0111382 Recieved : 30 Jan 2024 Diagnosed : 31 Jan 2024 Diagnostician : Don Baldridge

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

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 #129** 

3 LINDEN AVE E JERSEY CITY, NJ US 07305

Contact: WILLIAM CUCCIA wcuccia@millertransgroup.com

T:

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

Contact/Location: WILLIAM CUCCIA - MILJER