

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **1524211**

Component

Diesel Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

Metal levels are typical for a components first oil change.

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 Number Client Info Q2 Apr 2024 Sample Date Client Info Q2 Apr 2024 Machine Age mls Client Info 280236 Oil Age mls Client Info 280236 Oil Changed Client Info Changed Oil Changed Client Info Changed Client Changed Oil Changed Client Info Changed Client Changed Client Changed Client Changed Client Changed Client Changed Client Clie	AL)				Apr2024		
Sample Date Client Info 02 Apr 2024	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Machine Age mls Client Info 280236	Sample Number		Client Info		PCA0111415		
Dil Age	Sample Date		Client Info		02 Apr 2024		
Client Info Changed Client Info Changed NORMAL CONTAMINATION CONTAMINATION Mc Method So. Current Mistory1 Mistory1 Mistory2 Mc Method So. Current Mistory1 Mistory2 Mc Method So. Current Mistory2 Mc Method So. Current Mistory2 Mc Method So. Current Mistory2 Mc Method	Machine Age	mls	Client Info		280236		
CONTAMINATION method limit/base current history1 history	Oil Age	mls	Client Info		280236		
CONTAMINATION	Oil Changed		Client Info		Changed		
Fuel	Sample Status				NORMAL		
Water WC Method So.2 NEG So.2 So	CONTAMINAT	ION	method	limit/base	current	history1	history2
WEAR METALS	-uel		WC Method	>5	<1.0		
WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >100 33	Water		WC Method	>0.2	NEG		
Chromium	Glycol		WC Method		NEG		
Chromium	WEAR METAL	.S	method	limit/base	current	history1	history2
Silver	ron	ppm	ASTM D5185m	>100	33		
Description	Chromium	ppm	ASTM D5185m	>20	2		
Saliver	Nickel	ppm	ASTM D5185m	>4	0		
Alluminum	Titanium	ppm	ASTM D5185m		0		
December December	Silver	ppm	ASTM D5185m	>3	<1		
ASTM D5185m SOCIETY	Aluminum	ppm	ASTM D5185m	>20	5		
Acade Acad	ead	ppm	ASTM D5185m	>40	0		
Anadium	Copper	ppm	ASTM D5185m	>330	1		
ADDITIVES	- Tin	ppm	ASTM D5185m	>15	<1		
ADDITIVES	/anadium	ppm	ASTM D5185m		<1		
Soron ppm ASTM D5185m 2 0	Cadmium	ppm	ASTM D5185m		0		
Sarium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 50 75 Manganese ppm ASTM D5185m 0 <1 Magnesium ppm ASTM D5185m 950 943 Calcium ppm ASTM D5185m 1050 1195 Phosphorus ppm ASTM D5185m 995 1036 Zinc ppm ASTM D5185m 995 1036 Zinc ppm ASTM D5185m 2600 3346 CONTAMINANTS method limit/base current history1 history Silicon ppm ASTM D5185m >25 6 Potassium ppm ASTM D5185m >20 0 Potassium ppm ASTM D5185m >20 0 Soot % *ASTM D7844 >3	Boron	ppm	ASTM D5185m	2	0		
Manganese ppm ASTM D5185m 0 <1 Magnesium ppm ASTM D5185m 950 943 Calcium ppm ASTM D5185m 1050 1195 Phosphorus ppm ASTM D5185m 995 1036 Zinc ppm ASTM D5185m 1180 1237 Sulfur ppm ASTM D5185m 2600 3346 CONTAMINANTS method limit/base current history1 history Silicon ppm ASTM D5185m >25 6 Godium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m 20 0 Potassium ppm ASTM D5185m 20 0 Potassium ppm ASTM D7844 >3 0.9	Barium	ppm	ASTM D5185m	0	0		
Magnesium ppm ASTM D5185m 950 943 Calcium ppm ASTM D5185m 1050 1195 Phosphorus ppm ASTM D5185m 995 1036 Zinc ppm ASTM D5185m 1180 1237 Sulfur ppm ASTM D5185m 2600 3346 CONTAMINANTS method limit/base current history1 history Silicon ppm ASTM D5185m >25 6 Sodium ppm ASTM D5185m >20 0 Potassium ppm ASTM D5185m >20 0 INFRA-RED method limit/base current history1 history Soot % % *ASTM D7844 >3 0.9 Sulfation Abs/cm *ASTM D7845	Molybdenum	ppm	ASTM D5185m	50	75		
Calcium ppm ASTM D5185m 1050 1195 Phosphorus ppm ASTM D5185m 995 1036 Zinc ppm ASTM D5185m 1180 1237 Sulfur ppm ASTM D5185m 2600 3346 CONTAMINANTS method limit/base current history1 history Silicon ppm ASTM D5185m >25 6 Godium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 0 INFRA-RED method limit/base current history1 history Soot % % *ASTM D7844 >3 0.9 Siltration Abs/:1mm *ASTM D7415 >30 21.3 FLUID DEGRADATION method limit/base <t< td=""><td>Manganese</td><td>ppm</td><td>ASTM D5185m</td><td>0</td><td><1</td><td></td><td></td></t<>	Manganese	ppm	ASTM D5185m	0	<1		
Phosphorus ppm ASTM D5185m 995 1036 Zinc ppm ASTM D5185m 1180 1237 Sulfur ppm ASTM D5185m 2600 3346 CONTAMINANTS method limit/base current history1 history Solicon ppm ASTM D5185m >25 6 Solium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m 20 0 INFRA-RED method limit/base current history1 history Soot % % *ASTM D7844 >3 0.9 Soulfation Abs/:1mm *ASTM D7415 >30 21.3 FLUID DEGRADATION method limit/base current history1 history Dxidation Abs/:1mm *ASTM D7414 >2	/lagnesium	ppm	ASTM D5185m	950	943		
CONTAMINANTS method limit/base current history1 history2 column ppm ASTM D5185m 2600 3346 CONTAMINANTS method limit/base current history1 history3 history4 column ppm ASTM D5185m 2	Calcium	ppm	ASTM D5185m	1050	1195		
Sulfur ppm ASTM D5185m 2600 3346 CONTAMINANTS method limit/base current history1 history Silicon ppm ASTM D5185m >25 6 Bodium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 0 INFRA-RED method limit/base current history1 history Goot % % *ASTM D7844 >3 0.9 Sitration Abs/cm *ASTM D7624 >20 11.8 FLUID DEGRADATION method limit/base current history1 history Oxidation Abs/.1mm *ASTM D7414 >25 18.4	Phosphorus	ppm	ASTM D5185m	995	1036		
CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >25 6 Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 0 INFRA-RED method limit/base current history1 history Soot % % *ASTM D7844 >3 0.9 Sulfration Abs/cm *ASTM D7624 >20 11.8 Sulfation Abs/.1mm *ASTM D7415 >30 21.3 FLUID DEGRADATION method limit/base current history1 history Oxidation Abs/.1mm *ASTM D7414 >25 18.4	Zinc	ppm	ASTM D5185m	1180	1237		
Solicon ppm ASTM D5185m >25 6	Sulfur	ppm	ASTM D5185m	2600	3346		
Sodium ppm ASTM D5185m 2	CONTAMINAN	ITS	method	limit/base	current	history1	history2
Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 0 INFRA-RED method limit/base current history1 history1 Soot % % *ASTM D7844 >3 0.9 Nitration Abs/cm *ASTM D7624 >20 11.8 Sulfation Abs/.1mm *ASTM D7415 >30 21.3 FLUID DEGRADATION method limit/base current history1 history Oxidation Abs/.1mm *ASTM D7414 >25 18.4	Silicon	ppm	ASTM D5185m	>25	6		
INFRA-RED	Sodium	ppm	ASTM D5185m		2		
Soot %	Potassium	ppm	ASTM D5185m	>20	0		
Nitration Abs/cm *ASTM D7624 >20 11.8 Sulfation Abs/.1mm *ASTM D7415 >30 21.3 FLUID DEGRADATION method limit/base current history1 history Oxidation Abs/.1mm *ASTM D7414 >25 18.4	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 18.4	Soot %	%	*ASTM D7844	>3	0.9		
Sulfation Abs/.1mm *ASTM D7415 >30 21.3 FLUID DEGRADATION method limit/base current history1 history Dxidation Abs/.1mm *ASTM D7414 >25 18.4	Nitration	Abs/cm	*ASTM D7624	>20	11.8		
Oxidation	Sulfation	Abs/.1mm	*ASTM D7415	>30			
	FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	18.4		
	Base Number (BN)	mg KOH/g	ASTM D2896		7.4		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06188347

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0111415

Received **Tested** Unique Number : 11045099

: 24 May 2024 Diagnosed

: 24 May 2024 - Wes Davis

: 22 May 2024

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.

Contact: PETER SHEPARD pshepard@millertransgroup.com T: (609)499-3601

MILLER TRUCK LEASING #128

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

529 CEDAR LN

FLORENCE, NJ

US 08518