

OIL ANALYSIS REPORT

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Sample Rating Trend

NORMAL



Machine Id **621521**

Component **Diesel Engine**

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

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

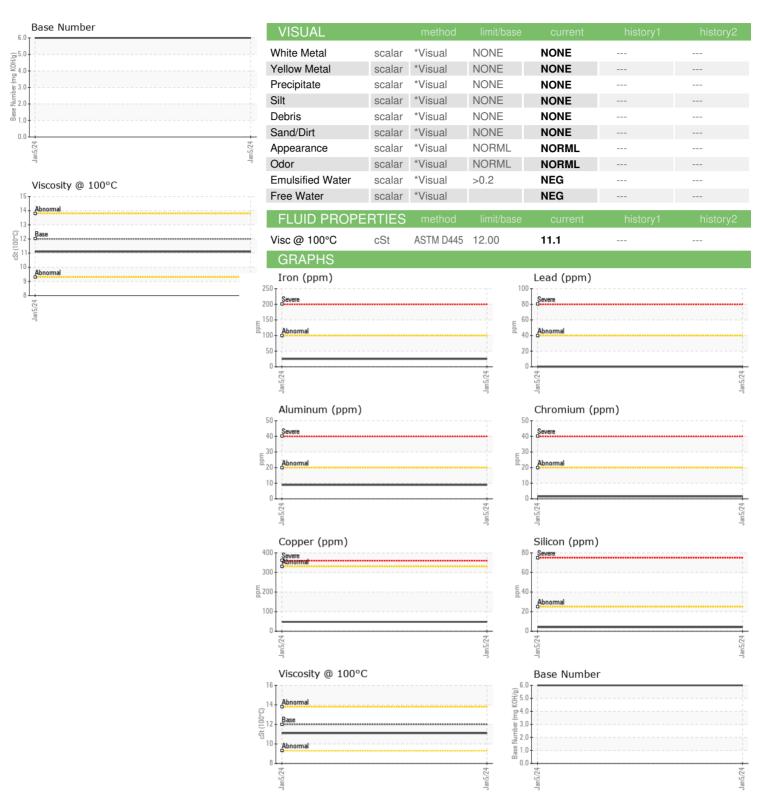
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATION method limit/base current history2 history2 Sample Number Client Info D5 Jan 2024 Machine Age mls Client Info 40184	- 0`						
Cample Number Client Info PCA0114552 Client Info O5 Jan 2024 Client Info O40184 Client Info Changed Client Info Cli	TS)				Jan 2024		
Cample Date Client Info 40184	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Machine Age mls	Sample Number		Client Info		PCA0114552		
Dil Changed	Sample Date		Client Info		05 Jan 2024		
Client Info NoRMAL Changed NoRMAL CONTAMINATION method limit/base current history1 history2 Mater WC Method >5 <1.0 Changed Mater WC Method >0.2 NEG Changed Mater WC Method NEG Changed Mater WC Method NEG Changed Mater MC Method NEG Changed MC Method NEG Changed MC Method NEG	Machine Age	mls	Client Info		40184		
CONTAMINATION method militibase current history1 history2	Oil Age	mls	Client Info		40184		
CONTAMINATION	Oil Changed		Client Info		Changed		
Tuel	Sample Status				NORMAL		
Wester Wc Method So.2 NEG Silycol Wc Method NEG Wc Method NEG Wc Method Wc Method NEG Wc Method Wc Method Neg Wc Method Wc Metho	CONTAMINAT	ΓΙΟΝ	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 25 Chromium ppm ASTM D5185m >20 2 Nickel ppm ASTM D5185m >4 <1	<i>N</i> ater		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	25		
Silver	Chromium	ppm	ASTM D5185m	>20	2		
Salver	Nickel	ppm	ASTM D5185m	>4	<1		
ASTM D5185m >20 9	Titanium	ppm	ASTM D5185m		3		
December December	Silver	ppm	ASTM D5185m	>3	0		
Description	Aluminum	ppm	ASTM D5185m	>20	9		
Sin	.ead	ppm	ASTM D5185m	>40	0		
Acade Acad	Copper	ppm	ASTM D5185m	>330	48		
ADDITIVES	in	ppm	ASTM D5185m	>15	3		
ADDITIVES	/anadium	ppm	ASTM D5185m		0		
Sarium	Cadmium	ppm	ASTM D5185m		0		
Sarium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 50 56 Manganese ppm ASTM D5185m 0 <1 Magnesium ppm ASTM D5185m 950 874 Calcium ppm ASTM D5185m 1050 1140 Phosphorus ppm ASTM D5185m 180 1201 Zinc ppm ASTM D5185m 2600 2342 Contaction ppm ASTM D5185m 2600 2342 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Godium ppm ASTM D5185m >20 22 Potassium ppm ASTM D5185m >20 22 Soot % *ASTM D7844 >3<	Boron	ppm	ASTM D5185m	2	6		
Manganese ppm ASTM D5185m 0 <1 Magnesium ppm ASTM D5185m 950 874 Calcium ppm ASTM D5185m 1050 1140 Phosphorus ppm ASTM D5185m 995 925 Zinc ppm ASTM D5185m 2600 2342 Sulfur ppm ASTM D5185m 2600 2342 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Godium ppm ASTM D5185m >20 22 Potassium ppm ASTM D5185m >20 22 Potassium ppm ASTM D5185m >20 22 Potassium ppm ASTM D5185m </td <td>Barium</td> <td>ppm</td> <td>ASTM D5185m</td> <td>0</td> <td>0</td> <td></td> <td></td>	Barium	ppm	ASTM D5185m	0	0		
Manganese ppm ASTM D5185m 0 <1 Magnesium ppm ASTM D5185m 950 874 Calcium ppm ASTM D5185m 1050 1140 Phosphorus ppm ASTM D5185m 995 925 Zinc ppm ASTM D5185m 2600 2342 Sulfur ppm ASTM D5185m 2600 2342 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Goldium ppm ASTM D5185m >20 22 Potassium ppm ASTM D5185m >20 22 Potassium ppm ASTM D5185m >20 22 Potassium ppm ASTM D5185m<	Molybdenum	ppm	ASTM D5185m	50	56		
Calcium ppm ASTM D5185m 1 050 1140 Phosphorus ppm ASTM D5185m 995 925 Zinc ppm ASTM D5185m 1180 1201 Sulfur ppm ASTM D5185m 2600 2342 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >20 22 Potassium ppm ASTM D5185m >20 22 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.6 Sulfation Abs/.1mm *ASTM D7415 >30 21.5 FLUID DEGRADATION method li	•		ASTM D5185m	0	<1		
Calcium ppm ASTM D5185m 1 050 1140 Phosphorus ppm ASTM D5185m 995 925 Zinc ppm ASTM D5185m 1180 1201 Sulfur ppm ASTM D5185m 2600 2342 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >20 22 Potassium ppm ASTM D5185m >20 22 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.6 Sulfation Abs/.1mm *ASTM D7415 >30 21.5 FLUID DEGRADATION method li	//agnesium	ppm	ASTM D5185m	950	874		
Sulfur	-		ASTM D5185m	1050	1140		
Contamination Contaminatio Contamination Contamination Contamination Contamination	Phosphorus	ppm	ASTM D5185m	995	925		
Sulfur ppm ASTM D5185m 2600 2342 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >20 22 Potassium ppm ASTM D5185m >20 22 INFRA-RED method limit/base current history1 history2 Goot % % *ASTM D7844 >3 0.6 Sulfration Abs/.1mm *ASTM D7624 >20 8.7 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 17.7			ASTM D5185m	1180	1201		
Solicon ppm ASTM D5185m >25 4 Solicon ppm ASTM D5185m <1 Solicon ppm ASTM D5185m >20 22 Solicon Ppm ASTM D5185m >20 22 Solicon Ppm ASTM D7844 >3 0.6 Solicon Abs/cm *ASTM D7624 >20 8.7 Solicon Abs/.1mm *ASTM D7415 >30 21.5 Solicon Abs/.1mm *ASTM D7414 >25 17.7 Solicon Abs/.1mm *ASTM D7414 >25 17.7	Sulfur		ASTM D5185m	2600	2342		
Sodium ppm ASTM D5185m <1 Potassium ppm ASTM D5185m >20 22 INFRA-RED method limit/base current history1 history2 Soot %	CONTAMINA	NTS	method	limit/base	current	history1	history2
Sodium ppm ASTM D5185m <1 Potassium ppm ASTM D5185m >20 22 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.6 Vitration Abs/cm *ASTM D7624 >20 8.7 Sulfation Abs/.1mm *ASTM D7415 >30 21.5 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 17.7	Silicon	ppm	ASTM D5185m	>25	4		
Potassium ppm ASTM D5185m >20 22 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.6 Nitration Abs/cm *ASTM D7624 >20 8.7 Sulfation Abs/.1mm *ASTM D7415 >30 21.5 FLUID DEGRADATION method limit/base current history1 history2 Dxidation Abs/.1mm *ASTM D7414 >25 17.7	Sodium		ASTM D5185m		<1		
Soot % % *ASTM D7844 >3 0.6 Nitration Abs/cm *ASTM D7624 >20 8.7 Gulfation Abs/.1mm *ASTM D7415 >30 21.5 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 17.7	Potassium		ASTM D5185m	>20	22		
Nitration Abs/cm *ASTM D7624 >20 8.7 Sulfation Abs/.1mm *ASTM D7415 >30 21.5 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 17.7	INFRA-RED		method	limit/base	current	history1	history2
Sulfation Abs/.1mm *ASTM D7415 >30 21.5 FLUID DEGRADATION method limit/base current history1 history2 Dxidation Abs/.1mm *ASTM D7414 >25 17.7	Soot %	%	*ASTM D7844	>3	0.6		
Sulfation Abs/.1mm *ASTM D7415 >30 21.5 FLUID DEGRADATION method limit/base current history1 history2 Dxidation Abs/.1mm *ASTM D7414 >25 17.7	Nitration	Abs/cm	*ASTM D7624	>20	8.7		
Oxidation	Sulfation		*ASTM D7415	>30	21.5		
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	17.7		
	Base Number (BN)	mg KOH/g	ASTM D2896	-	6.0		

Contact/Location: ROSTY VITER - MILPHINE



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

Unique Number

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

: PCA0114552 : 06060914 : 10832296

Recieved Diagnosed

Diagnostician : Wes Davis Test Package : MOB 1 (Additional Tests: TBN)

: 16 Jan 2024

: 17 Jan 2024

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

MILLER TRUCK LEASING #118

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