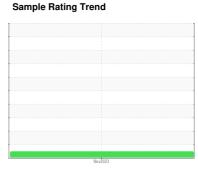


OIL ANALYSIS REPORT



NORMAL



Machine Id V3648 Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- 0

DIAGNOSIS

Recommendation

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

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

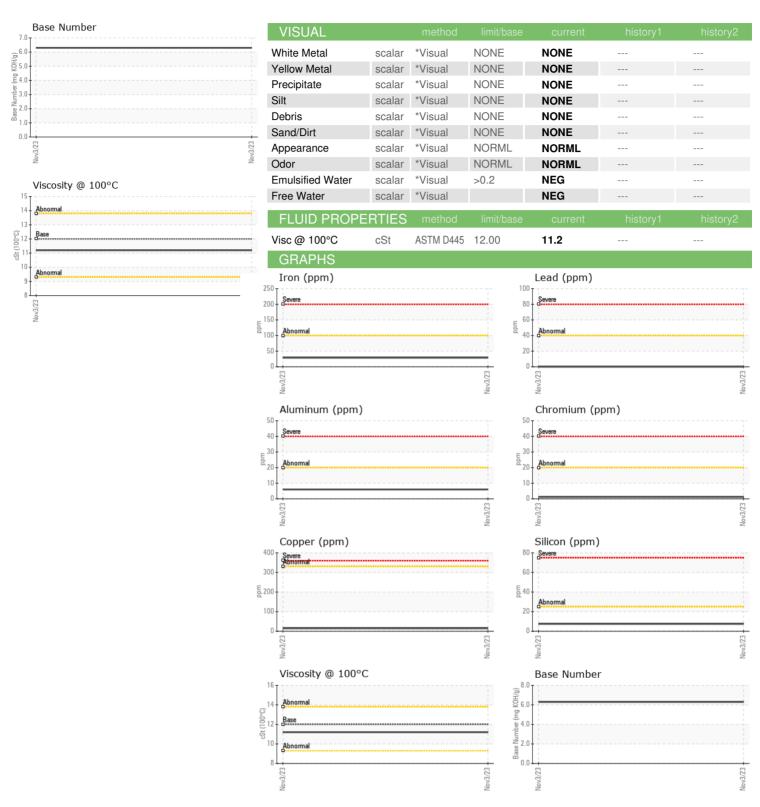
Fluid Condition

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 Date Client Info 03 Nov 2023 .							,
Cample Number Client Info PCA0099375	AL)				Nov2023		
Client Info	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age mls	Sample Number		Client Info		PCA0099375		
Dil Changed	Sample Date		Client Info		03 Nov 2023		
Client Info Changed Client Info NORMAL CONTAMINATION Method Seample Status CONTAMINANTS Method Seample Status Contamination Seample Status Seampl	Machine Age	mls	Client Info		234087		
CONTAMINATION method limit/base current history1 history2	Oil Age	mls	Client Info		0		
CONTAMINATION	Oil Changed		Client Info		Changed		
Fuel	Sample Status				NORMAL		
Water WC Method D.2. NEG Glycol WC Method Imitibase current history1 history2 WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 29 Chromium ppm ASTM D5185m >20 1 Siklver ppm ASTM D5185m >4 -1 Siklver ppm ASTM D5185m >20 6 Aluminum ppm ASTM D5185m >40 0 Aluminum ppm ASTM D5185m >40 0 Copper ppm ASTM D5185m >15 <1	CONTAMINATI	ION	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 29 Chromium ppm ASTM D5185m >20 1 Alickel ppm ASTM D5185m >20 1 Silver ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >20 6 Lead ppm ASTM D5185m >20 6 Copper ppm ASTM D5185m >20 0 Coladmium ppm ASTM D5185m 0 0 <td>Vater</td> <td></td> <td>WC Method</td> <td>>0.2</td> <td>NEG</td> <td></td> <td></td>	Vater		WC Method	>0.2	NEG		
Chromium	Glycol		WC Method		NEG		
Chromium	WEAR METALS	S	method	limit/base	current	history1	history2
Strickel	ron	ppm	ASTM D5185m	>100	29		
ASTM D5185m STM D5185m ST	Chromium	ppm	ASTM D5185m	>20	1		
Silver	Nickel	ppm	ASTM D5185m	>4	<1		
ASTM D5185m Part	- itanium	ppm	ASTM D5185m		<1		
December December	Silver	ppm	ASTM D5185m	>3	0		
Description	Aluminum	ppm	ASTM D5185m	>20	6		
Sin	.ead	ppm	ASTM D5185m	>40	0		
Acade Acad	Copper	ppm	ASTM D5185m	>330	15		
Acade Acad		ppm	ASTM D5185m	>15	<1		
ADDITIVES	/anadium		ASTM D5185m		0		
Soron ppm ASTM D5185m 2 7 ASTM D5185m 0 0 0 0 ASTM D5185m 0 0 0 0 0 0 0 0 0	Cadmium	ppm	ASTM D5185m		0		
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 50 58 Manganese ppm ASTM D5185m 0 <1 Magnesium ppm ASTM D5185m 950 839 Calcium ppm ASTM D5185m 1050 1193 Phosphorus ppm ASTM D5185m 995 912 Zinc ppm ASTM D5185m 2600 2712 Sulfur ppm ASTM D5185m 2600 2712 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 22 Potassium ppm ASTM D5185m 20 12 Potassium ppm ASTM D5185m 20 12 Soot % *ASTM D7844 >3 1.7 <td>Boron</td> <td>ppm</td> <td>ASTM D5185m</td> <td>2</td> <td>7</td> <td></td> <td></td>	Boron	ppm	ASTM D5185m	2	7		
Molybdenum ppm ASTM D5185m 50 58 Manganese ppm ASTM D5185m 0 <1 Magnesium ppm ASTM D5185m 950 839 Calcium ppm ASTM D5185m 1050 1193 Phosphorus ppm ASTM D5185m 995 912 Zinc ppm ASTM D5185m 2600 2712 Collicon ppm ASTM D5185m 2600 2712 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 22 Goldium ppm ASTM D5185m 20 12 Potassium ppm ASTM D5185m 20 12 Soot % *ASTM D7844 >3 1.7 <td>Barium</td> <td></td> <td>ASTM D5185m</td> <td>0</td> <td>0</td> <td></td> <td></td>	Barium		ASTM D5185m	0	0		
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Magnesium ppm ASTM D5185m 950 839 Calcium ppm ASTM D5185m 1050 1193 Phosphorus ppm ASTM D5185m 995 912 Zinc ppm ASTM D5185m 1180 1131 Sulfur ppm ASTM D5185m 2600 2712 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 8 Potassium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 12 Potassium ppm ASTM D5185m >20 12 Soot % % *ASTM D7844 >3 1.7 Soot % % *ASTM D7624 >20	-						
Delication	•			950			
Phosphorus ppm ASTM D5185m 995 912 Zinc ppm ASTM D5185m 1180 1131 Sulfur ppm ASTM D5185m 2600 2712 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 8 Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 12 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1.7 Sulfation Abs/:nm *ASTM D7415 >30 23.0 FLUID DEGRADATION method limit/base current history1 history2 Dxidation Abs/:nm *ASTM D7414 >25 1	<u> </u>						
Contamination Contaminatio Contamination Contamination Contamination Contamination							
Sulfur ppm ASTM D5185m 2600 2712 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 8 Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 12 INFRA-RED method limit/base current history1 history2 Goot % % *ASTM D7844 >3 1.7 Solfation Abs/cm *ASTM D7624 >20 10.6 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.9	•				_		
Solicon ppm ASTM D5185m >25 8					-		
Solicon ppm ASTM D5185m >25 8	CONTAMINAN'	TS	method	limit/base	current	history1	history2
Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 12 INFRA-RED method limit/base current history1 history2 Soot % *ASTM D7844 >3 1.7 Vitration Abs/cm *ASTM D7624 >20 10.6 Sulfation Abs/.1mm *ASTM D7415 >30 23.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.9	Silicon	ppm	ASTM D5185m	>25	8		
Potassium ppm ASTM D5185m >20 12 INFRA-RED method limit/base current history1 history2 Soot % *ASTM D7844 >3 1.7 Sitration Abs/cm *ASTM D7624 >20 10.6 Sulfation Abs/.1mm *ASTM D7415 >30 23.0 FLUID DEGRADATION method limit/base current history1 history2 Dxidation Abs/.1mm *ASTM D7414 >25 16.9							
Soot %				>20			
Abs/cm Abs/cm *ASTM D7624 >20 10.6 Sulfation Abs/.1mm *ASTM D7415 >30 23.0 FLUID DEGRADATION method limit/base current history1 history2 Dividation Abs/.1mm *ASTM D7414 >25 16.9	INFRA-RED		method	limit/base	current	history1	history2
Abs/cm Abs/cm *ASTM D7624 >20 10.6 Sulfation Abs/.1mm *ASTM D7415 >30 23.0 FLUID DEGRADATION method limit/base current history1 history2 Dividation Abs/.1mm *ASTM D7414 >25 16.9	Soot %	%	*ASTM D7844	>3	1.7		
Sulfation Abs/.1mm *ASTM D7415 >30 23.0 FLUID DEGRADATION method limit/base current history1 history2 Dxidation Abs/.1mm *ASTM D7414 >25 16.9							
Oxidation Abs/.1mm *ASTM D7414 >25 16.9							
	FLUID DEGRAD	OITA	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	16.9		
	Base Number (BN)	mg KOH/g			6.3		



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0099375

: 06052438 : 10818387

Recieved : 05 Jan 2024 : 08 Jan 2024 Diagnosed

Diagnostician : Wes Davis

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 #137

361 ROUTE 312 BREWSTER, NY US 10509

Contact: Robert Beckhusen rbeckhusen@millertransgroup.com

T: (845)779-1064

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

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