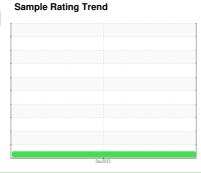


OIL ANALYSIS REPORT

Sa L



NORMAL



5066 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

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

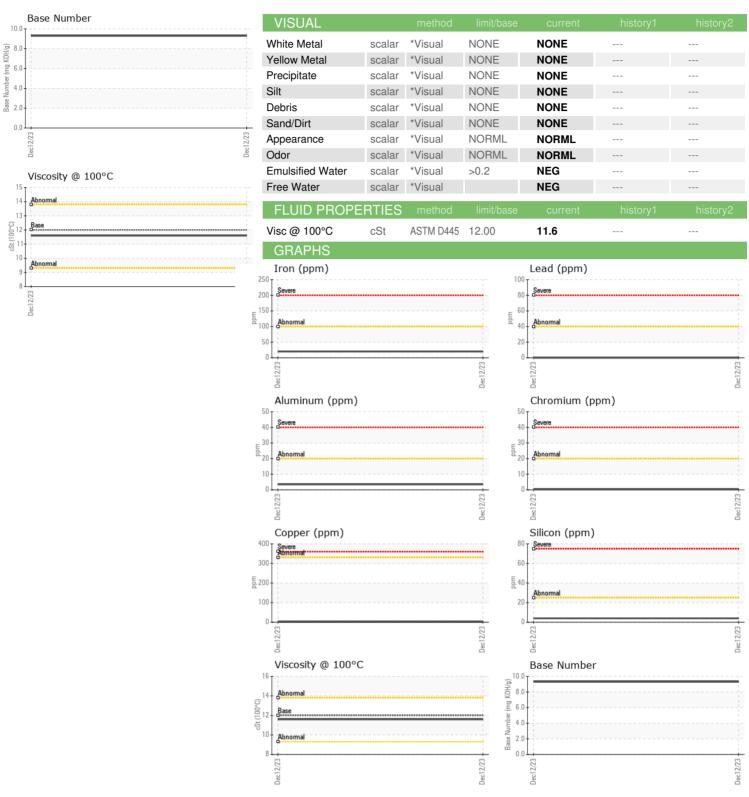
Fluid Condition

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

Client Info PCA0113417 Client Info PCA0113417 Client Info 12 Dec 2023 Client Info O							
Client Info PCA0113417 Client Info PCA0113417 Client Info 12 Dec 2023 Client Info O	AL)				Dec2023		
Sample Date	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Machine Age mls	Sample Number		Client Info		PCA0113417		
Dit Age	Sample Date		Client Info		12 Dec 2023		
Client Info	Machine Age	mls	Client Info		0		
CONTAMINATION method limit/base current history1 history2 cue	Oil Age	mls	Client Info		0		
CONTAMINATION	Oil Changed		Client Info		N/A		
Fuel	Sample Status				NORMAL		
Water WC Method So.2 NEG Silycol WC Method NEG Silycol WC Method NEG Silycol WC Method NEG Silycol WC Method Similifuse Current Silycory S	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 20 chromium ppm ASTM D5185m >20 <1	Vater		WC Method	>0.2	NEG		
Concord	Glycol		WC Method		NEG		
Schromium	WEAR METAL	_S	method	limit/base	current	history1	history2
Astronomic Ast	on	ppm	ASTM D5185m	>100	20		
Description	Chromium	ppm	ASTM D5185m	>20	<1		
Silver	Nickel	ppm	ASTM D5185m	>4	0		
Astrophysical Research Astrophysical Resea	Titanium	ppm	ASTM D5185m		0		
December December	Silver	ppm	ASTM D5185m	>3	0		
Description	Aluminum	ppm	ASTM D5185m	>20	4		
Action	.ead	ppm	ASTM D5185m	>40	0		
Annadium	Copper	ppm	ASTM D5185m	>330	2		
ADDITIVES		ppm	ASTM D5185m	>15	<1		
ADDITIVES	/anadium	ppm	ASTM D5185m		0		
Soron ppm ASTM D5185m 2 5	Cadmium	ppm	ASTM D5185m		0		
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 50 62 Manganese ppm ASTM D5185m 0 <1 Magnesium ppm ASTM D5185m 950 955 Calcium ppm ASTM D5185m 1050 1096 Phosphorus ppm ASTM D5185m 995 1085 Zinc ppm ASTM D5185m 2600 3209 Contamination ppm ASTM D5185m 2600 3209 Contassium ppm ASTM D5185m 25 4 Potassium ppm ASTM D5185m 20 1 Potassium ppm ASTM D5185m 20 1 Potassium ppm ASTM D7844 >3 1 Soot % *ASTM D7844 >	Boron	ppm	ASTM D5185m	2	5		
Manganese ppm ASTM D5185m 0 <1 Magnesium ppm ASTM D5185m 950 955 Calcium ppm ASTM D5185m 1050 1096 Phosphorus ppm ASTM D5185m 995 1085 Zinc ppm ASTM D5185m 2600 3209 Sulfur ppm ASTM D5185m 2600 3209 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Godium ppm ASTM D5185m >20 1 Potassium ppm ASTM D5185m >20 1 INFRA-RED method limit/base current history1 history2 Siliration Abs/:1mm *ASTM D7624<	Barium	ppm	ASTM D5185m	0	0		
Manganese ppm ASTM D5185m 0 <1 Magnesium ppm ASTM D5185m 950 955 Calcium ppm ASTM D5185m 1050 1096 Phosphorus ppm ASTM D5185m 995 1085 Zinc ppm ASTM D5185m 1180 1322 Sulfur ppm ASTM D5185m 2600 3209 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Solium ppm ASTM D5185m >20 1 Potassium ppm ASTM D5185m >20 1 Potassium ppm ASTM D5185m >20 1 Soot % % *ASTM D7844	Nolybdenum	ppm	ASTM D5185m	50	62		
Magnesium ppm ASTM D5185m 950 955 Calcium ppm ASTM D5185m 1050 1096 Phosphorus ppm ASTM D5185m 995 1085 Zinc ppm ASTM D5185m 1180 1322 Sulfur ppm ASTM D5185m 2600 3209 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Potassium ppm ASTM D5185m >20 1 Soot % % *ASTM D7844	-		ASTM D5185m	0	<1		
Calcium ppm ASTM D5185m 1050 1096 Phosphorus ppm ASTM D5185m 995 1085 Pinc ppm ASTM D5185m 1180 1322 Sulfur ppm ASTM D5185m 2600 3209 CONTAMINANTS method limit/base current history1 history2 Solicon ppm ASTM D5185m >25 4 Potassium ppm ASTM D5185m >20 1 Potassium ppm ASTM D5185m >20 1 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1 Sulfation Abs/:nm *ASTM D7415 >30 20.4 FLUID DEGRADATION method limi	/lagnesium		ASTM D5185m	950	955		
Phosphorus ppm ASTM D5185m 995 1085 Zinc ppm ASTM D5185m 1180 1322 Sulfur ppm ASTM D5185m 2600 3209 CONTAMINANTS method limit/base current history1 history2 Solicon ppm ASTM D5185m >25 4 Solicon ppm ASTM D5185m >20 1 Potassium ppm ASTM D5185m >20 1 Potassium ppm ASTM D5185m >20 1 INFRA-RED method limit/base current history1 history2 Solf action Abs/cm *ASTM D7624 >20 9.2 FLUID DEGRADATION method limit/base current history1 history2 Dxidation Abs/.1mm *AS	_		ASTM D5185m	1050	1096		
Contamination Contaminatio Contamination Contamination Contamination Contamination	Phosphorus		ASTM D5185m	995	1085		
Sulfur ppm ASTM D5185m 2600 3209 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Bodium ppm ASTM D5185m >20 1 Potassium ppm ASTM D5185m >20 1 INFRA-RED method limit/base current history1 history2 Goot % % *ASTM D7844 >3 1 Sulfration Abs/cm *ASTM D7624 >20 9.2 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.6							
Solicon ppm ASTM D5185m >25 4	Sulfur		ASTM D5185m	2600	3209		
Sodium ppm ASTM D5185m <1 Potassium ppm ASTM D5185m >20 1 INFRA-RED method limit/base current history1 history2 Soot %	CONTAMINAN	NTS	method	limit/base	current	history1	history2
Sodium ppm ASTM D5185m <1 Potassium ppm ASTM D5185m >20 1 INFRA-RED method limit/base current history1 history2 Soot % *ASTM D7844 >3 1 Vitration Abs/cm *ASTM D7624 >20 9.2 Sulfation Abs/.1mm *ASTM D7415 >30 20.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.6	Silicon	ppm	ASTM D5185m	>25	4		
Potassium ppm ASTM D5185m >20 1 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 1 Sultration Abs/cm *ASTM D7624 >20 9.2 Sulfation Abs/.1mm *ASTM D7415 >30 20.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.6	Sodium		ASTM D5185m		<1		
Soot %	Potassium	ppm	ASTM D5185m	>20	1		
Sulfation	INFRA-RED		method	limit/base	current	history1	history2
Sulfation Abs/.1mm *ASTM D7415 >30 20.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.6	Soot %	%	*ASTM D7844	>3	1		
Sulfation Abs/.1mm *ASTM D7415 >30 20.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.6	Vitration	Abs/cm	*ASTM D7624	>20	9.2		
Oxidation Abs/.1mm *ASTM D7414 >25 16.6	Sulfation	Abs/.1mm	*ASTM D7415	>30			
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
	 Oxidation	Abs/.1mm	*ASTM D7414	>25	16.6		
	Base Number (BN)	mg KOH/g	ASTM D2896	-	9.3		



OIL ANALYSIS REPORT







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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0113417 : 06034030

: 10789259

Received : 13 Dec 2023 : 14 Dec 2023 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.

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

MILLER TRUCK LEASING #119

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Contact: MIKE LONGETTE mlongette@millertransgroup.com

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