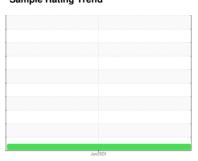


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **738640**

Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- GAL

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

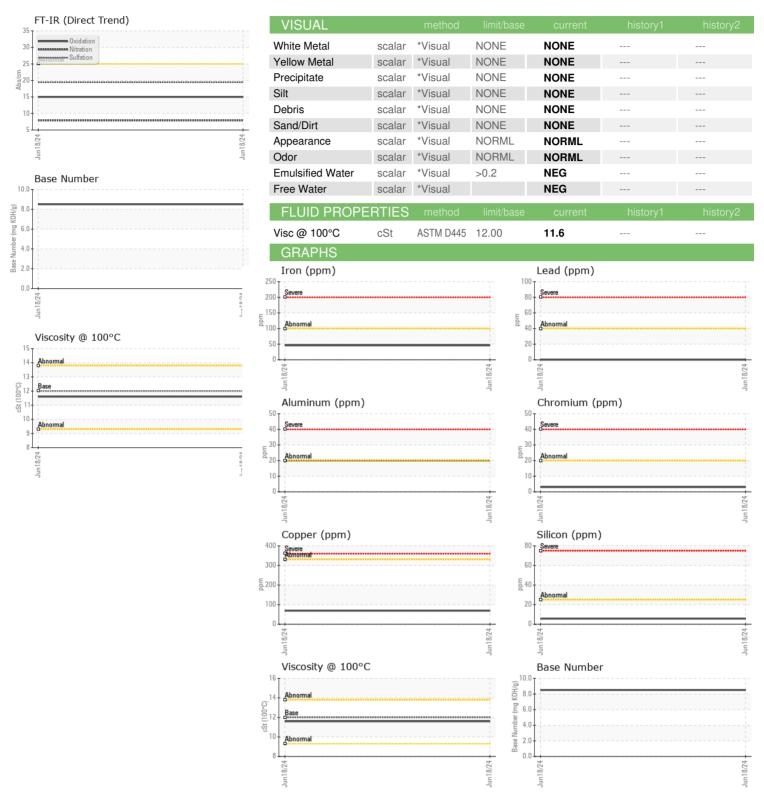
Fluid Condition

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

Sample Number Sample Date Machine Age mls Oil Age mls Oil Changed Sample Status CONTAMINATION Fuel Water Glycol WEAR METALS Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm Cadmium ppm Sarium ppm Molybdenum ppm Manganese ppm Magnesium ppm Calcium ppm Sulfur ppm Sulfur ppm Contamina ppm Calcium ppm Calcium ppm Calcium ppm Calcium ppm Contamina ppm Calcium ppm Nonybole ppm Sulfur ppm Contaminants Silicon ppm Sodium ppm Sodium ppm Nodybasium ppm Contaminants Silicon ppm Sodium ppm Contaminants Silicon ppm Sodium ppm Sodium ppm Nosodium ppm		,	Jun 2 024		
Sample Date Machine Age Oil Age Oil Age Oil Changed Sample Status CONTAMINATION Fuel Water Glycol WEAR METALS Iron Chromium Ppm Nickel Titanium Silver Aluminum Lead Ppm Copper Tin Vanadium Cadmium Ppm Barium Molybdenum Manganese Magnesium Phosphorus Zinc Sulfur Ppm Sodium Ppm CONTAMINANTS Silicon Sulfur Silicon Spm Sodium Ppm CONTAMINANTS Silicon Sodium Ppm INFRA-RED Soot % Nitration Misser Masser Ma	method	limit/base	current	history1	history2
Machine Age mls Oil Age Oil Changed Sample Status CONTAMINATION Fuel Water Glycol WEAR METALS Iron ppm Chromium ppm Nickel ppm Titanium ppm Lead ppm Copper ppm Tin ppm Vanadium ppm Cadmium ppm Manganese ppm Magnesium ppm Manganese ppm Calcium ppm Phosphorus ppm Solitur ppm CONTAMINANTS Silicon ppm Sodium ppm CONTAMINANTS Silicon ppm Sodium ppm INFRA-RED Soot % % Nitration Mss	Client Info		PCA0125186		
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Fuel Water Glycol WEAR METALS ron ppm Chromium ppm Nickel ppm Fitanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Fin ppm Vanadium ppm Cadmium ppm ADDITIVES Boron ppm Barium ppm Molybdenum ppm Manganese ppm Manganese ppm Calcium ppm Contaminants Silicon ppm Co			NORMAL		
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WEAR METALS ron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm Cadmium ppm Darium ppm Cadmium ppm Cadrium ppm Calcium ppm Chosphorus ppm Calcium ppm Chosphorus ppm Calcium ppm Chosphorus ppm Calcium ppm Chosphorus ppm Chosphorus ppm Contaminants Silicon ppm Contaminants Sodium ppm Contassium ppm Con	WC Method	>5	<1.0		
WEAR METALS ron ppm Chromium ppm Chromium ppm Clickel ppm Fitanium ppm Caluminum ppm Copper ppm Fin ppm Cadmium ppm Cadmium ppm Cadmium ppm Cadmium ppm Calcium ppm Manganese ppm Manganese ppm Calcium ppm Calcium ppm Calcium ppm Chosphorus ppm Contakinant ppm Contakinant ppm Calcium ppm Chosphorus ppm Contakinant ppm	WC Method	>0.2	NEG		
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Fitanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Fin ppm Vanadium ppm Cadmium ppm Cadmium ppm Cadmium ppm ADDITIVES Boron ppm Barium ppm Manganese ppm Magnesium ppm Calcium ppm C	ASTM D5185m	>20	3		
Silver ppm Aluminum ppm Lead ppm Copper ppm Fin ppm Vanadium ppm Cadmium ppm Cadmium ppm Cadmium ppm ADDITIVES Boron ppm Barium ppm Manganese ppm Magnesium ppm Calcium ppm Calcium ppm Calcium ppm Calcium ppm Chosphorus ppm Calcium ppm Contaminants Silicon ppm Contaminant	ASTM D5185m	>4	<1		
Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm Cadmium ppm Cadmium ppm Cadmium ppm ADDITIVES Boron ppm Barium ppm Manganese ppm Manganese ppm Calcium ppm Calcium ppm Calcium ppm Calcium ppm Chosphorus ppm Calcium ppm Chosphorus ppm Contaminants Silicon ppm Contassium ppm Contassium ppm Coot % % Silicon Abs/cm	ASTM D5185m		1		
Lead ppm Copper ppm Fin ppm Vanadium ppm Cadmium ppm Cadmium ppm Cadmium ppm Barium ppm Manganese ppm Magnesium ppm Calcium ppm Calcium ppm Calcium ppm Calcium ppm Chosphorus ppm Calcium ppm Chosphorus ppm Calcium ppm Chosphorus ppm Chosphorus ppm Calcium ppm Chosphorus ppm Calcium ppm Chosphorus ppm Chosphorus ppm Chosphorus ppm Chosphorus ppm Chosphorus ppm Chosphorus ppm Contaminants Conta	ASTM D5185m	>3	<1		
Copper ppm Cin ppm Canadium ppm Cadmium ppm Cadmium ppm Cadmium ppm Cadmium ppm Carium ppm Molybdenum ppm Manganese ppm Magnesium ppm Calcium ppm Calcium ppm Calcium ppm Contaminants Cont	ASTM D5185m	>20	20		
Tin ppm //anadium ppm //anadium ppm Cadmium ppm ADDITIVES Boron ppm Barium ppm //anaganese ppm //anadium ppm //ana	ASTM D5185m	>40	0		
Vanadium ppm Cadmium ppm ADDITIVES Boron ppm Barium ppm Molybdenum ppm Manganese ppm Magnesium ppm Calcium ppm Calcium ppm Calcium ppm Contaminants Sulfur ppm Contaminants Su	ASTM D5185m	>330	69		
ADDITIVES Boron ppm Barium ppm Molybdenum ppm Manganese ppm Magnesium ppm Calcium ppm Chosphorus ppm Zinc ppm CONTAMINANTS Silicon ppm Bodium ppm Contassium ppm Contassium ppm Contassium ppm Doduction ppm Contaminants Silicon ppm Contassium ppm Doduction ppm Contassium ppm Doduction ppm Contassium ppm Doduction ppm Doducti	ASTM D5185m	>15	1		
ADDITIVES Boron ppm Barium ppm Molybdenum ppm Manganese ppm Magnesium ppm Calcium ppm Phosphorus ppm Zinc ppm CONTAMINANTS Silicon ppm Bodium ppm Potassium ppm Fotassium ppm INFRA-RED Soot % % Nitration Abs/cm	ASTM D5185m		<1		
Boron ppm Barium ppm Molybdenum ppm Manganese ppm Magnesium ppm Calcium ppm Chosphorus ppm Zinc ppm Sulfur ppm CONTAMINANTS Bilicon ppm Bodium ppm Potassium ppm INFRA-RED Soot % % Nitration Abs/cm	ASTM D5185m		0		
Barium ppm Molybdenum ppm Manganese ppm Magnesium ppm Dalcium ppm Phosphorus ppm Zinc ppm Sulfur ppm CONTAMINANTS Silicon ppm Sodium ppm Potassium ppm INFRA-RED Soot % % Nitration Abs/cm	method	limit/base	current	history1	history2
Molybdenum ppm Manganese ppm Magnesium ppm Calcium ppm Phosphorus ppm Sulfur ppm CONTAMINANTS Silicon ppm Sodium ppm Potassium ppm INFRA-RED Soot % % Nitration Abs/cm	ASTM D5185m	2	5		
Manganese ppm Magnesium ppm Dalcium ppm Phosphorus ppm Zinc ppm Sulfur ppm CONTAMINANTS Silicon ppm Sodium ppm Potassium ppm INFRA-RED Soot % % Mitration Abs/cm	ASTM D5185m	0	0		
Magnesium ppm Calcium ppm Chosphorus ppm Zinc ppm Sulfur ppm CONTAMINANTS Silicon ppm Godium ppm Potassium ppm INFRA-RED Soot % % Vitration Abs/cm	ASTM D5185m	50	58		
Calcium ppm Phosphorus ppm Zinc ppm Sulfur ppm CONTAMINANTS Silicon ppm Sodium ppm Potassium ppm INFRA-RED Soot % % Vitration Abs/cm	ASTM D5185m	0	1		
Phosphorus ppm Zinc ppm Sulfur ppm CONTAMINANTS Silicon ppm Sodium ppm Potassium ppm INFRA-RED Soot % % Slitration Abs/cm	ASTM D5185m	950	905		
Zinc ppm Sulfur ppm CONTAMINANTS Silicon ppm Sodium ppm Potassium ppm INFRA-RED Soot % % Vitration Abs/cm	ASTM D5185m	1050	1272		
CONTAMINANTS CONTAMINANTS Silicon ppm Sodium ppm Potassium ppm INFRA-RED Soot % % Nitration Abs/cm	ASTM D5185m	995	1107		
CONTAMINANTS Silicon ppm Sodium ppm Potassium ppm INFRA-RED Soot % % Nitration Abs/cm	ASTM D5185m	1180	1308		
Silicon ppm Sodium ppm Potassium ppm INFRA-RED Soot % % Vitration Abs/cm	ASTM D5185m	2600	3550		
Sodium ppm ppm ppm ppm ppm INFRA-RED Soot % % Slitration Abs/cm	method	limit/base	current	history1	history2
Potassium ppm INFRA-RED Soot % % Vitration Abs/cm	ASTM D5185m	>25	6		
INFRA-RED Soot % % Nitration Abs/cm	ASTM D5185m		6		
Soot % % Nitration Abs/cm	ASTM D5185m	>20	38		
Nitration Abs/cm	method	limit/base	current	history1	history2
	*ASTM D7844	>3	0.4		
Sulfation Abs/.1mm	*ASTM D7624	>20	7.9		
	*ASTM D7415	>30	19.4		
FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation Abs/.1mm	*ASTM D7414	>25	15.0		
Base Number (BN) mg KOH/g	ASTM D2896		8.5		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: PCA0125186 Lab Number : 06222059 Unique Number : 11100256

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

Received **Tested**

: 27 Jun 2024 Diagnosed : 28 Jun 2024 - Don Baldridge

: 27 Jun 2024

Test Package : MOB 1 (Additional Tests: TBN) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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

2196 BENNETT ROAD PHILADELPHIA, PA

US 19116 Contact: ROSTY VITER rviter@millertransgroup.com

T: (215)552-9832 F: (215)552-9892

Report Id: MILPHINE [WUSCAR] 06222059 (Generated: 06/28/2024 14:07:08) Rev: 1

Contact/Location: ROSTY VITER - MILPHINE