

OIL ANALYSIS REPORT

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Sample Rating Trend

WEAR



Machine Id **1424172**

Component

Diesel Engine

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

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

The aluminum level is abnormal. Piston wear is indicated.

Contamination

There is no indication of any contamination in the

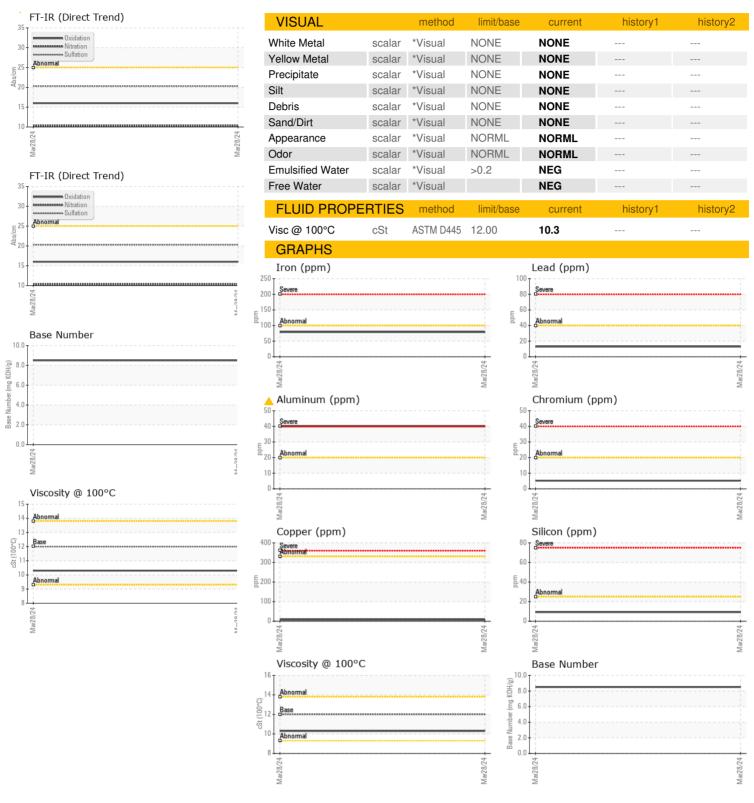
Fluid Condition

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

SAMPLE INFORMATION method limit/base current history1 history5							
Cample Number Client Info PCA0111413	AL)				Mar2024		
Cample Number Client Info PCA0111413	CAMPLE INCORM	A TIONI	an a the a al	limit/book		lai atawa d	history O
Client Info 28 Mar 2024		ATION		ilmit/base		nistory i	nistory2
Machine Age mls							
Dit Age	•						
Client Info Changed Client Info Changed Client Info ABNORMAL CONTAMINATION Method Iimit/base current history1 history2 Marter WC Method >5 <1.0 Client WC Method >5 <1.0 Client WC Method >5 NEG Client WC Method >0.2 NEG Client NEG Client NEG Client Mistory2 NEG Client Neg Cl	3.						
ABNORMAL	•	nls					
CONTAMINATION	-		Client Info		•		
Value	Sample Status				ABNORMAL		
WEAR METALS	CONTAMINATIO	N	method	limit/base	current	history1	history2
WEAR METALS	uel		WC Method	>5	<1.0		
WEAR METALS method limit/base current history1 history2 on ppm ASTM D5185m >10.0 79 shromium ppm ASTM D5185m >20 5 lickel ppm ASTM D5185m >4 <1	Vater		WC Method	>0.2	NEG		
Description	Slycol		WC Method		NEG		
Astrophysical Content Ast	WEAR METALS		method	limit/base	current	history1	history2
ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Document ASTM D5185m Document ASTM D5185m Document ASTM D5185m ASTM D518	ron p	pm	ASTM D5185m	>100	79		
Description	Chromium p	ppm	ASTM D5185m	>20	5		
Silver	lickel p	ppm	ASTM D5185m	>4	<1		
ASTM D5185m Page	- itanium p	ppm	ASTM D5185m		0		
ASTM D5185m Page	Silver p	pm	ASTM D5185m	>3	<1		
ASTM D5185m Soron Sarium Soron Sarium Soron Soro	Aluminum p	ppm	ASTM D5185m	>20	4 0		
Annibut	ead p	pm	ASTM D5185m	>40	13		
Anadium	Copper p	ppm	ASTM D5185m	>330	8		
ADDITIVES	in p	ppm	ASTM D5185m	>15	1		
ADDITIVES	/anadium p	ppm	ASTM D5185m		<1		
Soron ppm ASTM D5185m 2 0 0	Dadmium p	ppm	ASTM D5185m		0		
Description	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 50 79 Manganese ppm ASTM D5185m 0 1 Magnesium ppm ASTM D5185m 950 1025 Balcium ppm ASTM D5185m 1050 1287 Phosphorus ppm ASTM D5185m 995 1133 Silicon ppm ASTM D5185m 2600 3677 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 22 Codium ppm ASTM D5185m 20 1 Potassium ppm ASTM D5185m 20 1 Potassium ppm ASTM D5185m 20 1 INFRA-RED method limit/base curr	Boron p	pm	ASTM D5185m	2	0		
Manganese ppm ASTM D5185m 0 1	arium p	ppm	ASTM D5185m	0	0		
Magnesium ppm ASTM D5185m 950 1025 Phosphorus ppm ASTM D5185m 1050 1287 Phosphorus ppm ASTM D5185m 995 1133 Fullfur ppm ASTM D5185m 1180 1321 Fullfur ppm ASTM D5185m 2600 3677 CONTAMINANTS method limit/base current history1 history2 Folicion ppm ASTM D5185m 25 9 Foodium ppm ASTM D5185m 20 1 Foodium ppm ASTM D5185m >20 1 FOODIUM ppm ASTM D5185m >20 1 FOODIUM ppm ASTM D5185m >20 1 FUID method limit/base <td>Nolybdenum p</td> <td>pm</td> <td>ASTM D5185m</td> <td>50</td> <td>79</td> <td></td> <td></td>	Nolybdenum p	pm	ASTM D5185m	50	79		
Calcium ppm ASTM D5185m 1050 1287 Phosphorus ppm ASTM D5185m 995 1133 Cinc ppm ASTM D5185m 1180 1321 Sulfur ppm ASTM D5185m 2600 3677 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 9 Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m 20 1 Potassium ppm ASTM D5185m >20 1 INFRA-RED method limit/base current history1 history2 Soot % *ASTM D7844 >3 0.9 Sulfation Abs/.1mm *ASTM D7415 >30 20.3	Manganese p	ppm	ASTM D5185m	0	1		
Phosphorus	Magnesium p	pm	ASTM D5185m	950	1025		
Solifur ppm ASTM D5185m 1180 1321 CONTAMINANTS method limit/base current history1 history2	Calcium	ppm	ASTM D5185m	1050	1287		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 9 Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 1 INFRA-RED method limit/base current history1 history2 Goot % % *ASTM D7844 >3 0.9 Sulfation Abs/cm *ASTM D7624 >20 10.3 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.0	Phosphorus p	pm	ASTM D5185m	995	1133		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 9 Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 1 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.9 Sitration Abs/cm *ASTM D7624 >20 10.3 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.0	Zinc p	ppm	ASTM D5185m	1180	1321		
Solition ppm ASTM D5185m >25 9	Gulfur p	pm	ASTM D5185m	2600	3677		
Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 1 INFRA-RED method limit/base current history1 history2 Goot % *ASTM D7844 >3 0.9 ditration Abs/cm *ASTM D7624 >20 10.3 Gulfation Abs/.1mm *ASTM D7415 >30 20.3 FLUID DEGRADATION method limit/base current history1 history2 Dxidation Abs/.1mm *ASTM D7414 >25 16.0	CONTAMINANTS	S	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 1 INFRA-RED method limit/base current history1 history2 Boot % *ASTM D7844 >3 0.9 Bitration Abs/cm *ASTM D7624 >20 10.3 Bulfation Abs/.1mm *ASTM D7415 >30 20.3 FLUID DEGRADATION method limit/base current history1 history2 Dxidation Abs/.1mm *ASTM D7414 >25 16.0	Silicon p	pm	ASTM D5185m	>25	9		
INFRA-RED	Sodium p	ppm	ASTM D5185m		2		
Soot % *ASTM D7844 >3 0.9 Uitration Abs/cm *ASTM D7624 >20 10.3 Sulfation Abs/.1mm *ASTM D7415 >30 20.3 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.0	Potassium p	ppm	ASTM D5185m	>20	1		
Sulfation	INFRA-RED		method	limit/base	current	history1	history2
Sulfation Abs/.1mm *ASTM D7415 >30 20.3 FLUID DEGRADATION method limit/base current history1 history2 oxidation Abs/.1mm *ASTM D7414 >25 16.0	Soot %	%	*ASTM D7844	>3	0.9		
FLUID DEGRADATION method limit/base current history1 history2 Dixidation Abs/.1mm *ASTM D7414 >25 16.0	litration A	Abs/cm	*ASTM D7624	>20	10.3		
Oxidation Abs/.1mm *ASTM D7414 >25 16.0	Gulfation A	lbs/.1mm	*ASTM D7415	>30	20.3		
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Oxidation A	lbs/.1mm	*ASTM D7414	>25	16.0		
					8.5		



OIL ANALYSIS REPORT





Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06188367

: PCA0111413 Unique Number : 11045119

Received **Tested** Diagnosed

: 22 May 2024

: 28 May 2024

: 28 May 2024 - Jonathan Hester 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.

Certificate 12367

MILLER TRUCK LEASING #128

529 CEDAR LN FLORENCE, NJ US 08518

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

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