

Area (74294Z) Walgreens - Tractor [Walgreens - Tractor] 136A624349

Diesel Engine Fluid

PETRO CANADA DURON SHP 10W30 (11 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

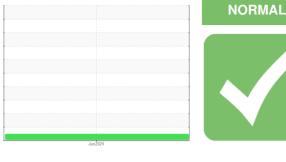
Metal levels are typical for a new component breaking in.

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.

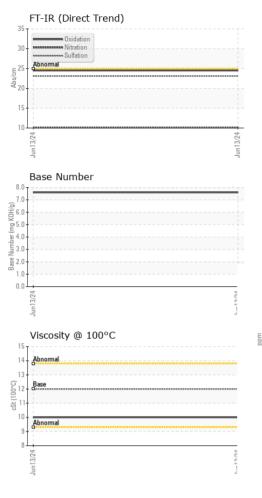




SAMPLE INFORI	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		PCA0094025			
Sample Date		Client Info		13 Jun 2024			
Machine Age	mls	Client Info		27646			
Oil Age	mls	Client Info		27646			
Oil Changed		Client Info		Not Changd			
Sample Status				NORMAL			
		and the set	Line 11 /line none		In the transmission	la la tarra O	
CONTAMINAT	ION	method WC Method	limit/base	current	history1	history2	
Fuel			>5	<1.0 NEG			
Water		WC Method	>0.2				
Glycol		WC Method		NEG			
WEAR METAL	S	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>80	43			
Chromium	ppm	ASTM D5185m	>5	3			
Nickel	ppm	ASTM D5185m	>2	2			
Titanium	ppm	ASTM D5185m		<1			
Silver	ppm	ASTM D5185m	>3	<1			
Aluminum	ppm	ASTM D5185m	>30	14			
Lead	ppm	ASTM D5185m	>30	0			
Copper	ppm	ASTM D5185m	>150	77			
Tin	ppm	ASTM D5185m	>5	12			
Vanadium	ppm	ASTM D5185m		0			
Cadmium	ppm	ASTM D5185m		0			
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	2	35			
Barium	ppm	ASTM D5185m	0	0			
Molybdenum	ppm	ASTM D5185m	50	41			
Manganese	ppm	ASTM D5185m	0	4			
Magnesium	ppm	ASTM D5185m	950	547			
Calcium	ppm	ASTM D5185m	1050	1823			
Phosphorus	ppm	ASTM D5185m	995	792			
Zinc	ppm	ASTM D5185m	1180	904			
Sulfur	ppm	ASTM D5185m	2600	2312			
CONTAMINAN	TS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>20	8			
Sodium	ppm	ASTM D5185m		6			
Potassium	ppm	ASTM D5185m	>20	25			
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.4			
Nitration	Abs/cm	*ASTM D7624	>20	10.1			
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.1			
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.5			



OIL ANALYSIS REPORT



		VISUAL		method	limit/base	current	history1	history
	۷	Vhite Metal	scalar	*Visual	NONE	NONE		
	Y	ellow Metal	scalar	*Visual	NONE	NONE		
	F	Precipitate	scalar	*Visual	NONE	NONE		
	S	Silt	scalar	*Visual	NONE	NONE		
	0	Debris	scalar	*Visual	NONE	NONE		
_	S	Sand/Dirt	scalar	*Visual	NONE	NONE		
		ppearance	scalar	*Visual	NORML	NORML		
	C	Ddor	scalar	*Visual	NORML	NORML		
		Emulsified Water	scalar	*Visual	>0.2	NEG		
	F	ree Water	scalar	*Visual		NEG		
		FLUID PROPE	RTIES	method	limit/base	current	history1	history
	١	/isc @ 100°C	cSt	ASTM D445	12.00	10.0		
		GRAPHS						
	45	Ferrous Alloys						
	40	iron chromium						
	35	nickel						
	30-							
	Ed 25							
	15							
	10							
	5							
	0	/24			124			
		Jun 13/24			Jun 13/24			
		Non-ferrous Meta	ls					
	80							
	70	copper eesee lead						
	60	tin						
	50 E							
	표 40·							
	30							
	20							
	20-							
	20 10							
					3/24			
		Jun 13/24			Jun13/24			
	10- 0-		2		Jun 13/24	Base Number		
		Jun 13/24			Jun13/24	Base Number		
	10- 0-	Jun 13/24	2		8.0			
	10- 0- 15-	Viscosity @ 100°C	2		8.0			
	10 0 15 14 13	^{+2/2} [lun _f Viscosity @ 100°C	2		8.0			
	10 0 15 14 13	Viscosity @ 100°C	2		8.0	I		
	10- 0- 15- 14-	Viscosity @ 100°C			8.0 7.0 (b)HOX 5.0 bu) ta 4.0 3.0 3.0			
	10. 0. 15. 14. 13. 12. 12. 13. 11. 10. 10.	Viscosity @ 100°C			8.0 7.0 (9)(0) (0)(0) (0)(0) (0)(0) (0)(0) (0)(0)(0)(0)(0)(0)(0)(0)(0)(0)(0)(0)(0)(
	10- 0- 15- 14- 13- (J-00[) 3- 11- 3- 11- 3- 11- 3- 11- 3- 11- 3- 11- 3- 11- 3- 11- 3- 11- 3- 11- 3- 11- 3- 11- 3- 11- 3- 11- 3- 11- 11	Portuge Portug	2		8.0 7.0 (9)HOX 50.0 Ioun 14.0 squara 3.0 eeeg 2.0 1.0			
	10. 0. 15. 14. 13. 12. 12. 13. 11. 10. 10.	Viscosity @ 100°C	2		8.0 7.0 (0)HOX 5.0 14,0 14,0 14,0 14,0 14,0 14,0 14,0 14,			
	10. 0. 15. 14. 13. 12. 12. 13. 11. 10. 10.	Portuge Portug	2		8.0 7.0 (9)HOX 50.0 Ioun 14.0 squara 3.0 eeeg 2.0 1.0			
	10. 0. 15. 14. 13. 12. 12. 13. 11. 10. 10.	Viscosity @ 100°C			8.0 7.0 (0)HOX 5.0 14,0 14,0 14,0 14,0 14,0 14,0 14,0 14,			
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	10- 0- 15- 14- 13- 12- 12- 14- 13- 10- 9- 8- 8- 2- 00() 55- 11- 10- 8- 8- 2- 00() 55- 11- 10- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8-	Viscosity @ 100°C	1 Madisc Rece	ived : 18	8.0 7.0 (b)(b)(b)(b)(b)(b)(b)(b)(b)(b)(b)(b)(b)(Jun13/24	ice - Shop 1372 - Berl 175	500 Perris E
er	10- 0- 15- 14- 13- 10- 2000 25 11- 10- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8-	Viscosity @ 100°C	1 Madiso Recei Teste	ived : 18 d : 20	s, NC 27513 3 Jun 2024) Jun 2024	HTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	ice - Shop 1372 - Berl 175	500 Perris E reno Valley
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To discuss this sample repo * - 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)

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Certificate L2367

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