

Area (68529Z) Walgreens - Tractor [Walgreens - Tractor] 136A624225

Diesel Engine Fluid

PETRO CANADA DURON SHP 10W30 (11 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

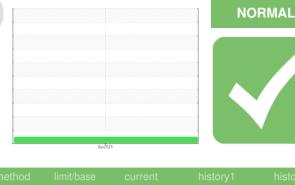
Metal levels are typical for a new component breaking in.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. No other contaminants were detected 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.



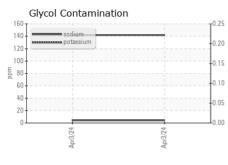


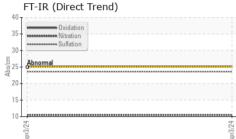
SAMPLE INFORMATION method limit/base current history1	1 history2
Sample Number Client Info PCA0119369	
Sample Date Client Info 03 Apr 2024	
Machine Age mls Client Info 52858	
Oil Age mls Client Info 52858	
Oil Changed Client Info Changed	
Sample Status NORMAL	
CONTAMINATION method limit/base current history	1 history2
Fuel WC Method >5 <1.0	
Water WC Method >0.2 NEG	
Glycol WC Method NEG	
WEAR METALS method limit/base current history1	1 history2
Iron ppm ASTM D5185m >80 67	
Chromium ppm ASTM D5185m >5 5	
Nickel ppm ASTM D5185m >2 2	
Titanium ppm ASTM Dotion >2 2 1 -	
Silver ppm ASTM DS100m 1	
Aluminum ppm ASTM D5185m >30 53	
Lead ppm ASTM D5185m >30 <1	
Copper ppm ASTM D5185m >150 169	
Tin ppm ASTM D5185m >5 6	
Vanadium ppm ASTM D5185m <1	
Cadmium ppm ASTM D5185m <1	
ADDITIVES method limit/base current history	1 history2
ADDITIVES method limit/base current history Boron ppm ASTM D5185m 2 30	l history2
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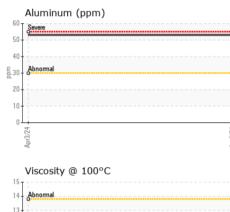


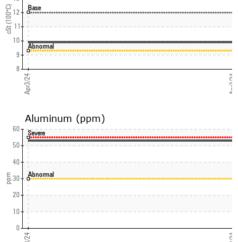
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OIL ANALYSIS REPORT









VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	9.9		
GRAPHS						
Ferrous Alloys						
70 iron			1			
60 - chromium						
50						
40 30						
30-						
20						
10						
Apr3/24			Apr3/24			
	_		4			
Non-ferrous Meta	IS					
160 - copper						
140						
120						
80						
60-						
40						
20-						
24 10			24			
Apr3/24			Apr3/24			
Viscosity @ 100°C	2					
¹⁵ T			8.0	Base Number		
14 Abnormal			7.0	1		
13						
			9.5.0			
5 12 - Base			(0, 6.0 HOX bu) ad 4.0 gamma 3.0 gg 2.0			
3 11						
				L i		
10 - Abnormal			e 2.0			
10 - Abnormal			ž 2.0 1.0			



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Transervice - Shop 1370 - Berkeley-Perrysburg Sample No. : PCA0119369 Received : 05 Apr 2024 28727 Oregon Road Lab Number : 06140582 Tested : 08 Apr 2024 Perrysburg, OH US 43551 Unique Number : 10965390 Diagnosed : 09 Apr 2024 - Don Baldridge Test Package : FLEET Contact: Curtis Hart Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. chart@transervice.com T: (419)666-3277 * - 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) F: (419)666-3279

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Apr3/24

Submitted By: Curtis Hart

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