WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

Machine Id

PETERBILT 453682

Diesel Engine

Fluid

CITGO CITGUARD 600 15W40 (46 QTS)

				-		
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0012819	RPL0004532	
Sample Date		Client Info		08 Jul 2024	13 Apr 2023	
Machine Age	hrs	Client Info		9711	7188	
Oil Age	hrs	Client Info		1977	1190	
Filter Age	hrs	Client Info		1977	1190	
Oil Changed		Client Info		Changed	Not Changd	
		Client Info		Changed	Not Changd	
Sample Status				NORMAL	NORMAL	
Iron	nnm	ASTM D5185m	>100	16	17	
	• •					
			77			
			. 0			
					U	
					1	
			>15	-		
	ppm			-		
White Metal	scalar	*Visual				
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>25	6	6	
Potassium	ppm	ASTM D5185m	>20	1	1	
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
Soot %	%	*ASTM D7844	>3	0.6	0.6	
Nitration	Abs/cm	*ASTM D7624	>20	9.6	10.2	
Sulfation	Abs/.1mm	*ASTM D7415	>30		22.7	
Linuisined Water		visuai	70.2		NLG	
Sodium	ppm	ASTM D5185m		2	<1	
Boron	ppm	ASTM D5185m	13	0	3	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	57	63	61	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m	825	411	485	
Calcium		ASTM D5185m	1100	2011	1669	
Phosphorus	ppm	ASTM D5185m		1094	1042	
	ppm	ASTM D5185m		1289	1294	
Zinc						
Zinc Sulfur		ASTM D5185m	2769	3683	3769	
Sulfur	ppm	ASTM D5185m *ASTM D7414		3683 17.8	3769 19 4	
	ppm Abs/.1mm	ASTM D5185m *ASTM D7414 ASTM D2896	>25	3683 17.8 6.2	3769 19.4 4.6	
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	Sample Number Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Fuel Water Glycol Soot % % Nitration Abs/.mm Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Boron ppm Manganese ppm Magnesium ppm Magnesium ppm Calcium ppm Calcium ppm Calcium	Sample Number Sample Date Machine Age Oil Age hrs Client Info Clie	Sample Number Sample Date Machine Age Ins Client Info Machine Age Ins Client Info Oil Age Ins Client Info Oil Changed Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Institute Info Chromium Institute Info Sample Status Iron Chromium Institute Info Chromium Institute Info Chromium Institute Info Sample Status Iron Institute Info Sample Status Iron Institute Info Client Info ASTM D5185m ASTM	Sample Number Sample Date Client Info RPL0012819 Machine Age hrs Client Info 9711 Oil Age hrs Client Info 1977 Filter Age hrs Client Info 1977 Oil Changed Client Info Changed Filter Changed Sample Status Client Info Changed Iron ppm ASTM D5185m >100 16 Chromium ppm ASTM D5185m >20 0 Nickel ppm ASTM D5185m >4 0 Titanium ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >3 0 Copper ppm ASTM D5185m >3 0 Copper ppm ASTM D5185m >33 1 Tin ppm ASTM D5185m >33 1 Valudium ppm ASTM D5185m >33 1	Sample Number Client Info Sample Date Client Info 08 Jul 2024 13 Apr 2023 14 Apr 2023 15 Apr 2023







Certificate L2367

Laboratory Sample No.

Lab Number : 06234254 Unique Number : 11123088 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : RPL0012819 : 11 Jul 2024

Tested : 12 Jul 2024 Diagnosed : 12 Jul 2024 - Wes Davis RTL PACLEASE - 7010 - Florida

9407 Bachman Road Orlando, FL US 32824

Contact: John Churchwell

ChurchwellJ@rushenterprises.com T: (407)240-7511

* - 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)

To discuss this sample report, contact Customer Service at 1-800-237-1369.