WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

Machine Id

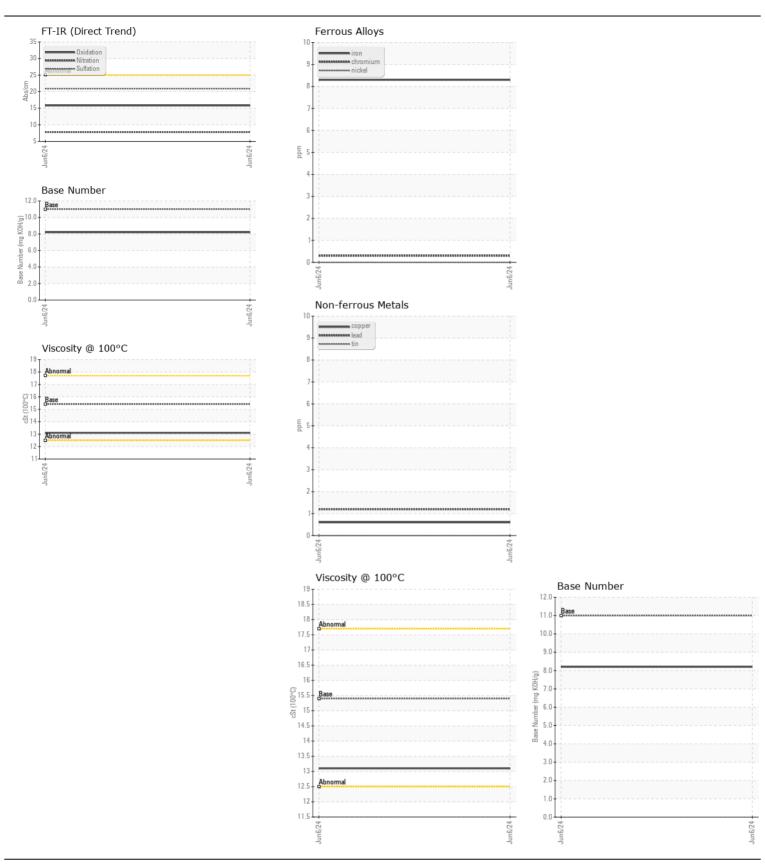
PETERBILT 496667

Diesel Engine

Fluid

CITGO CITGUARD 600 15W40 (48 QTS)

Resample at the next service interval to monitor.								
Resample at the next service interval to monitor. Sample Number Cample Color Into Cample Color Int	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Date Machine		Sample Number						
Machine Age mls Client Info 81818	Resample at the next service interval to monitor.					06 Jun 2024		
Oil Age			mls			134720		
Filter Age		•						
Oil Changed Client Info Changed Changed Client Info Changed Ch								
Filter Changed Sample Status		_	0					
Nome		_						
VEAR		_		Onorte inito		_		
Chromium ppm ASTM D6185m 2-0 < 1 Nickel ppm ASTM D6185m 2-0 < 1 Titanium ppm ASTM D6185m 2-0 < 1 Silver ppm ASTM D6185m 2-0 < 1 Copper ppm ASTM D6185m 2-0 < 1 Copper ppm ASTM D6185m 2-0 < 1 Time ppm ASTM D6185m 3-30 < 1 Valuer ppm ASTM D6185m 3-30 < 1 Valuer val	<u></u>					·····		
Chromium ppm ASTM D5185m 2-0 < 1 Nickel ppm ASTM D5185m 2-2 0 Titanium ppm ASTM D5185m 2-2 0 Silver ppm ASTM D5185m 2-2 0 Copper ppm ASTM D5185m 2-3 0 Valuadium ppm ASTM D5185m 3-30 <1 Valuadium ppm ASTM D5185m 3-20 3 Valuadium ppm ASTM D5185m 3-20 2.0. Valuadium ppm ASTM D5185m 3-20 3 Valuadium ppm ASTM D5	WEAR	Iron	ppm	ASTM D5185m	>90	8		
Nickel ppm ASTM D5186m >2 0		Chromium	ppm	ASTM D5185m	>20	<1		
Titanium	All component wear rates are normal.	Nickel				0		
Silver ppm ASTM D5185m >20 0								
Aluminum ppm ASTM D5185m >20 2								
Lead								
Copper								
Time								
Vanadium								
White Metal Scalar Visual NONE NON					>10			
Silicon ppm ASTM D5185m 220 3 3 3 3 3 3 3 3 3					NONE			
Silicon ppm ASTM D5185m >25 4								
Potassium		Yellow Metal	scalar	*Visual	NONE	NONE		
Potassium	CONTAMINATION	Silicon	maa	ASTM D5185m	>25	4		
Fue WC Method Sand San								
Water WC Method So.2 NEG Glycol WC Method So.5 NEG So.5 NEG N	There is no indication of any contamination in the oil.		ppiii					
Glycol Soot % % % MEG MEG MEG MEG MEG Method Soot % % % MEG Method Method								
Soot % % ASTM D7844 >6 0.4 Nitration Abs/cm 'ASTM D7624 >20 7.8 Sulfation Abs/cm 'ASTM D7624 >20 7.8 Sulfation Abs/cm 'ASTM D7624 >20 7.8 Sulfation Abs/cm 'ASTM D7615 >30 20.9 Sulfation Abs/cm 'ASTM D7415 >30 20.9 NONE NONE NONE Appearance Scalar 'Visual NORM					<i>></i> 0.2			
Nitration Abs/cm *ASTM D7624 >20 7.8 Sulfation Abs/lmm *ASTM D7415 >30 20.9 Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NO		-	0/		. 6			
Sulfation								
Silt Scalar *Visual NONE NORML NO								
Debris Scalar *Visual NONE NONE NONE Sand/Dirt Scalar *Visual NONE NORML N								
Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORM								
Appearance								
Codor Scalar *Visual NORML NORML Fmulsified Water Scalar *Visual volume v					-			
Emulsified Water scalar *Visual >0.2 NEG		• •						
Sodium ppm ASTM D5185m 13 2				*Visual				
Boron ppm ASTM D5185m 13 2 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 57 62 Manganese ppm ASTM D5185m 57 62 Manganese ppm ASTM D5185m 57 62 Manganese ppm ASTM D5185m 825 451 Calcium ppm ASTM D5185m 1100 2005 Phosphorus ppm ASTM D5185m 933 1123 Zinc ppm ASTM D5185m 1089 1467 Sulfur ppm ASTM D5185m 2769 4216 Oxidation Abs/.tmm *ASTM D7414 >25 15.8 Base Number (BN) mg KOHg ASTM D2896 11.0 8.2		Emulsified Water	scalar	*Visual	>0.2	NEG		
Boron ppm ASTM D5185m 13 2	ELUID CONDITION	Codium	nn	ACTM DE105-		.4		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. Barium ppm ASTM D5185m 0 0 Molybdenum ppm ASTM D5185m 57 62 Manganese ppm ASTM D5185m 825 451 Magnesium ppm ASTM D5185m 1100 2005 Phosphorus ppm ASTM D5185m 1100 2005 Zinc ppm ASTM D5185m 1089 1467 Sulfur ppm ASTM D5185m 2769 4216 Oxidation Abs/.1mm *ASTM D7414 >25 15.8 Base Number (BN) mg KOH/g ASTM D2896 11.0 8.2	PLUID CONDITION				10			
oil. The condition of the oil is suitable for further service. Molybdenum ppm ASTM D5185m 57 62 Manganese ppm ASTM D5185m 0 0 0 0 0 Manganese ppm ASTM D5185m 57 62 Magnesium ppm ASTM D5185m 825 451 Calcium ppm ASTM D5185m 1100 2005 Phosphorus ppm ASTM D5185m 933 1123 Zinc ppm ASTM D5185m 1089 1467 Sulfur ppm ASTM D5185m 2769 4216 Oxidation Abs/.1mm *ASTM D7414 >25 15.8 Base Number (BN) mg KOH/g ASTM D2896 11.0 8.2								
Molybdenum ppm ASTM D5185m 57 62 Manganese ppm ASTM D5185m <1								
Magnesium ppm ASTM D5185m 825 451 Calcium ppm ASTM D5185m 1100 2005 Phosphorus ppm ASTM D5185m 933 1123 Zinc ppm ASTM D5185m 1089 1467 Sulfur ppm ASTM D5185m 2769 4216 Oxidation Abs/.1mm *ASTM D7414 >25 15.8 Base Number (BN) mg KOH/g ASTM D2896 11.0 8.2		•	ppm		57			
Calcium ppm ASTM D5185m 1100 2005 Phosphorus ppm ASTM D5185m 933 1123 Zinc ppm ASTM D5185m 1089 1467 Sulfur ppm ASTM D5185m 2769 4216 Oxidation Abs/.1mm *ASTM D7414 >25 15.8 Base Number (BN) mg KOH/g ASTM D2896 11.0 8.2								
Phosphorus ppm ASTM D5185m 933 1123 Zinc ppm ASTM D5185m 1089 1467 Sulfur ppm ASTM D5185m 2769 4216 Oxidation Abs/.1mm *ASTM D7414 >25 15.8 Base Number (BN) mg KOH/g ASTM D2896 11.0 8.2		•	ppm					
Zinc ppm ASTM D5185m 1089 1467 Sulfur ppm ASTM D5185m 2769 4216 Oxidation Abs/.1mm *ASTM D7414 >25 15.8 Base Number (BN) mg KOH/g ASTM D2896 11.0 8.2			ppm			2005		
Sulfur ppm ASTM D5185m 2769 4216 Oxidation Abs/.1mm *ASTM D7414 >25 15.8 Base Number (BN) mg KOH/g ASTM D2896 11.0 8.2		Phosphorus	ppm	ASTM D5185m	933	1123		
Oxidation Abs/.1mm *ASTM D7414 >25 15.8 Base Number (BN) mg KOH/g ASTM D2896 11.0 8.2		Zinc	ppm	ASTM D5185m	1089	1467		
Base Number (BN) mg KOH/g ASTM D2896 11.0 8.2		Sulfur	ppm	ASTM D5185m	2769	4216		
		Oxidation	Abs/.1mm	*ASTM D7414	>25	15.8		
		Base Number (BN)	mg KOH/g	ASTM D2896	11.0	8.2		
VISC W 100 C CSL MOTIVIDATO 13.4 (13.1)		Visc @ 100°C	cSt			13.1		







Certificate L2367

Report Id: PAC7025 [WUSCAR] 06223358 (Generated: 07/02/2024 03:47:56) Rev: 1

Laboratory Sample No.

Lab Number : 06223358 Unique Number : 11101555 Test Package : FLEET

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : RPL0004174 Received : 28 Jun 2024 **Tested**

Diagnosed

: 01 Jul 2024

: 01 Jul 2024 - Wes Davis

Contact: Michael Reid REIDM@RushEnterprises.com T: (813)371-2130

8109 East Adamo Drive

RTL PACLEASE - 7025 - Tampa

* - 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) Tampa, FL

US 33619