

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

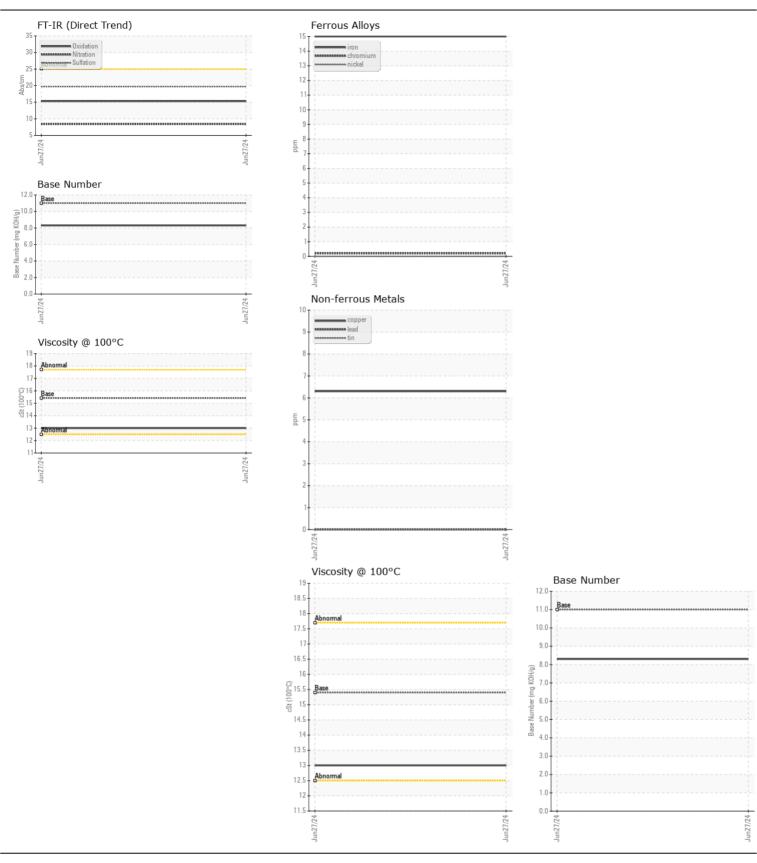
[PAC7025]

PETERBILT 496313

Diesel Engine

CITGO CITGUARD 600 15W40 (48 QTS)

Sample Number Client Info Client Info 27 Jun 2024 Client Info 112506 Client Info 112506 Client Info 641 Client Info 64	CIIGO CIIGUARD 600 15W40 (48 QIS)							
Resample at the next service interval to monitor.	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age mis Client Irilo 172508	Resample at the next service interval to monitor.	Sample Number		Client Info		RPL0004233		
Oi Age		Sample Date		Client Info		27 Jun 2024		
Filter Age		Machine Age	mls	Client Info		112508		
Oil Changed Client Info Not Changed Filter Changed Sample Status Not Changed Not Chang		Oil Age	mls	Client Info		9641		
Filter Changed Client Info Not Change North Mothad North		Filter Age	mls	Client Info		9641		
NORMAL N		Oil Changed		Client Info		Not Changd		
Iron		Filter Changed		Client Info		Not Changd		
Chromium ppm ASTM D5185m > 20 <1 Nickel ppm ASTM D5185m > 20 <1 Titanium ppm ASTM D5185m > 20 <1 Titanium ppm ASTM D5185m > 20 <1 Titanium ppm ASTM D5185m > 20 <1 ASTM D5185m > 20 ASTM D		Sample Status				NORMAL		
Chromium ppm ASTM D5185m > 20 <1 Nickel ppm ASTM D5185m > 20 <1 Titanium ppm ASTM D5185m > 20 <1 Titanium ppm ASTM D5185m > 20 <1 Titanium ppm ASTM D5185m > 20 <1 ASTM D5185m > 20 ASTM D	WEAR	Iron	mag	ASTM D5185m	>100	15		
Nickel ppm ASTM D5185m >4 0								
Titanium	All component wear rates are normal.							
Silver								
Aluminum					~3			
Lead								
Copper ppm ASTM D5185m >330 6								
Tin								
Vanadium ppm ASTM D5185m 0 NONE NONE NONE NONE NONE NONE NONE								
White Metal Yellow Metal Scalar *Visual NONE NONE NONE					>10			
Vellow Metal scalar Visual NONE NONE Silicon ppm ASTM 05185m >25 6 Potassium ppm ASTM 05185m >20 13 Fuel WC Method >5 <1.0 Water WC Method >5 <1.0 Water WC Method NEG Glycol WC Method NEG Soot % % ASTM 07844 >3 0.4 Nitration Abs/cm *ASTM 07844 >3 0.4 Nitration Abs/cm *ASTM 07844 >3 0.4 Sulfation Abs/cm *ASTM 07844 >3 0.4 NONE					NONE	-		
Silicon ppm ASTM D5185m >25 6								
Potassium ppm ASTM D5185m >20 13	<u></u>	Yellow Metal	scalar	visuai	NONE	NONE		
Fuel WC Method So. So. So. WC Method So. So. WC Method So. WC	CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	6		
Valer	There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	13		
Glycol		Fuel		WC Method	>5	<1.0		
Soot %		Water		WC Method	>0.2	NEG		
Nitration Abs/cm *ASTM D7624 >20 8.4 Sulfation Abs/.tmm *ASTM D7415 >30 19.7 Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NORML NORML NORML NORML NORML NORML Appearance scalar *Visual NORML		Glycol		WC Method		NEG		
Sulfation Abs/.tmm *ASTM D7415 >30 19.7		Soot %	%	*ASTM D7844	>3	0.4		
Silt scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NORML		Nitration	Abs/cm	*ASTM D7624	>20	8.4		
Debris Scalar *Visual NONE NONE NONE Sand/Dirt Scalar *Visual NONE NORML NO		Sulfation	Abs/.1mm	*ASTM D7415	>30	19.7		
Sand/Dirt Scalar *Visual NONE NONE NORML		Silt	scalar	*Visual	NONE	NONE		
Appearance Scalar *Visual NORML NORML NORML Emulsified Water Scalar *Visual NORML NORML		Debris	scalar	*Visual	NONE	NONE		
Codor Scalar *Visual NORML NORML NORML Emulsified Water Scalar *Visual So.2 NEG		Sand/Dirt	scalar	*Visual	NONE	NONE		
Emulsified Water scalar *Visual >0.2 NEG		Appearance	scalar	*Visual	NORML	NORML		
Sodium ppm ASTM D5185m 13 4		Odor	scalar	*Visual	NORML	NORML		
Boron ppm ASTM D5185m 13 4		Emulsified Water	scalar	*Visual	>0.2	NEG		
Boron ppm ASTM D5185m 13 4 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 57 62 Manganese ppm ASTM D5185m 825 426 Calcium ppm ASTM D5185m 825 426 Calcium ppm ASTM D5185m 1100 1742 Phosphorus ppm ASTM D5185m 933 1071 Zinc ppm ASTM D5185m 1089 1275 Sulfur ppm ASTM D5185m 2769 3874 Oxidation Abs/.1mm *ASTM D7414 >25 15.3 Base Number (BN) mg KOHg ASTM D2896 11.0 8.3	ELUID CONDITION	Codium	nnm	ACTM DE10Em		2		
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 825 426 Calcium ppm ASTM D5185m 1100 1742 Phosphorus ppm ASTM D5185m 933 1071 Zinc ppm ASTM D5185m 1089 1275 Sulfur ppm ASTM D5185m 2769 3874 Sulfur ppm ASTM D5185m 2769 3874 Base Number (BN) mg KOH/g ASTM D2896 11.0 8.3	LOID CONDITION				13	-		
Molybdenum ppm ASTM D5185m 57 62 Manganese ppm ASTM D5185m 57 62 Sulfur ppm ASTM D5185m 1089 1275 Sulfur ppm ASTM D5185m 2769 3874	The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.							
Manganese ppm ASTM D5185m 2 Magnesium ppm ASTM D5185m 825 426 Calcium ppm ASTM D5185m 1100 1742 Phosphorus ppm ASTM D5185m 933 1071 Zinc ppm ASTM D5185m 1089 1275 Sulfur ppm ASTM D5185m 2769 3874 Oxidation Abs/.1mm *ASTM D7414 >25 15.3 Base Number (BN) mg KOH/g ASTM D2896 11.0 8.3								
Magnesium ppm ASTM D5185m 825 426 Calcium ppm ASTM D5185m 1100 1742 Phosphorus ppm ASTM D5185m 933 1071 Zinc ppm ASTM D5185m 1089 1275 Sulfur ppm ASTM D5185m 2769 3874 Oxidation Abs/.1mm *ASTM D7414 >25 15.3 Base Number (BN) mg KOH/g ASTM D2896 11.0 8.3		•			5/			
Calcium ppm ASTM D5185m 1100 1742 Phosphorus ppm ASTM D5185m 933 1071 Zinc ppm ASTM D5185m 1089 1275 Sulfur ppm ASTM D5185m 2769 3874 Oxidation Abs/.1mm *ASTM D7414 >25 15.3 Base Number (BN) mg KOH/g ASTM D2896 11.0 8.3		_			92F			
Phosphorus ppm ASTM D5185m 933 1071 Zinc ppm ASTM D5185m 1089 1275 Sulfur ppm ASTM D5185m 2769 3874 Oxidation Abs/.1mm *ASTM D7414 >25 15.3 Base Number (BN) mg KOH/g ASTM D2896 11.0 8.3		_						
Zinc ppm ASTM D5185m 1089 1275 Sulfur ppm ASTM D5185m 2769 3874 Oxidation Abs/.1mm *ASTM D7414 >25 15.3 Base Number (BN) mg KOH/g ASTM D2896 11.0 8.3								
Sulfur ppm ASTM D5185m 2769 3874 Oxidation Abs/.1mm *ASTM D7414 >25 15.3 Base Number (BN) mg KOH/g ASTM D2896 11.0 8.3		•						
Oxidation Abs/.1mm *ASTM D7414 >25 15.3 Base Number (BN) mg KOH/g ASTM D2896 11.0 8.3								
Base Number (BN) mg KOH/g ASTM D2896 11.0 8.3								
Visc @ 100°C cSt ASTM D445 15.4 13.0		\ /	0 0					
		Visc @ 100°C	cSt	ASTM D445	15.4	13.0		







Certificate L2367

Laboratory Sample No.

Lab Number : 06238815 Unique Number : 11127649 Test Package : FLEET

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : RPL0004233 : 17 Jul 2024

Tested Diagnosed

: 17 Jul 2024 : 17 Jul 2024 - Wes Davis RTL PACLEASE - 7025 - Tampa 8109 East Adamo Drive Tampa, FL US 33619

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

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.