

**WEAR** CONTAMINATION **FLUID CONDITION** 

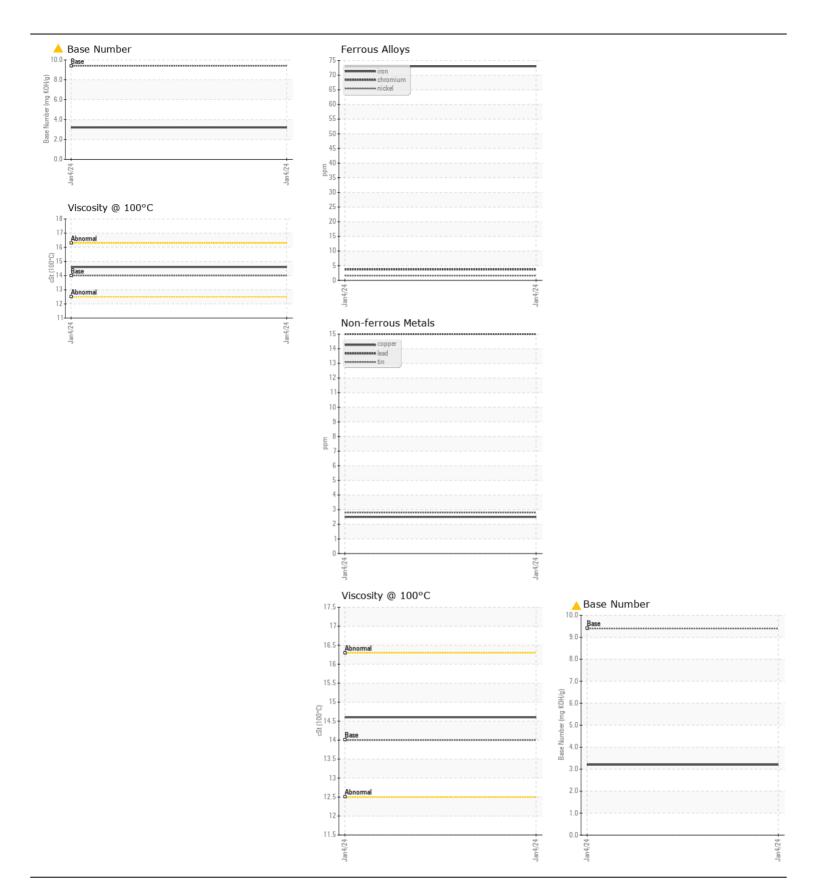
NORMAL **NORMAL ABNORMAL** 

Machine Id

846-4848

Component Diesel Engine

Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status  Iron Chromium Nickel	mls mls mls	Client Info Client Info Client Info Client Info Client Info Client Info Client Info		RPL0016906 04 Jan 2024 237507 237507 237507 Changed Changed ABNORMAL	   	
Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium	mls mls	Client Info Client Info Client Info Client Info Client Info		237507 237507 237507 Changed Changed		
Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium	mls mls	Client Info Client Info Client Info Client Info		237507 237507 Changed Changed	 	
Filter Age Oil Changed Filter Changed Sample Status Iron Chromium	mls	Client Info Client Info Client Info		237507 Changed Changed		
Oil Changed Filter Changed Sample Status Iron Chromium		Client Info		Changed Changed		
Filter Changed Sample Status Iron Chromium	ppm	Client Info		Changed		
Sample Status Iron Chromium	ppm			_		
Iron Chromium	ppm			ADMODMAL		
Chromium	ppm			ADNURMAL		
Chromium	ppm					
		ASTM D5185m		73		
Miokol	ppm	ASTM D5185m		4		
	ppm	ASTM D5185m	>4	2		
Titanium	ppm	ASTM D5185m		0		
	ppm			<1		
	ppm			10		
Lead	ppm			15		
Copper	ppm			2		
Tin	ppm		>15	3		
	ppm			-		
	scalar	*Visual				
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>25	15		
Potassium	• • • • • • • • • • • • • • • • • • • •	ASTM D5185m	>20	17		
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
Soot %	%	*ASTM D7844	>3	1		
Nitration	Abs/cm	*ASTM D7624	>20	15.7		
Sulfation	Abs/.1mm	*ASTM D7415	>30	31.2		
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		
<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG		
	ppm	ASTM D5185m		4		
Boron	ppm					
	ppm			0		
Molybdenum	ppm		0	45		
	ppm	ASTM D5185m		1		
Magnesium	ppm		0	614		
Calcium	ppm	ASTM D5185m		1614		
Phosphorus	ppm	ASTM D5185m		844		
Zinc	ppm	ASTM D5185m		1008		
Sulfur	ppm	ASTM D5185m		2259		
Oxidation	Abs/.1mm	*ASTM D7414	>25	39.6		
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>△</b> 3.2		
	Silver Aluminum Lead Copper Tin Vanadium White 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 Phosphorus Zinc Sulfur Oxidation	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/cm Sulfation Abs/.1mm Silt scalar Sand/Dirt scalar Sand/Dirt scalar Appearance scalar Odor scalar Emulsified Water scalar Sodium ppm Boron ppm Barium ppm Molybdenum ppm Manganese ppm Magnesium ppm Calcium ppm Phosphorus ppm Sulfur ppm Sulfur ppm Sulfur ppm Oxidation Abs/.1mm Base Number (BN) mg KOH/g	Silver ppm ASTM D5185m Aluminum ppm ASTM D5185m Lead ppm ASTM D5185m Copper ppm ASTM D5185m Tin ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal scalar *Visual Yellow Metal scalar *Visual Silicon ppm ASTM D5185m Potassium ppm ASTM D5185m Fuel WC Method Water WC Method Glycol WC Method Soot % *ASTM D7844 Nitration Abs/cm *ASTM D7624 Sulfation Abs/.1mm *ASTM D7415 Silt scalar *Visual Debris scalar *Visual Sand/Dirt scalar *Visual Appearance scalar *Visual Appearance scalar *Visual Sodium ppm ASTM D5185m Boron ppm ASTM D5185m Boron ppm ASTM D5185m Molybdenum ppm ASTM D5185m Manganese ppm ASTM D5185m Manganes	Silver         ppm         ASTM D5185m         >3           Aluminum         ppm         ASTM D5185m         >20           Lead         ppm         ASTM D5185m         >40           Copper         ppm         ASTM D5185m         >330           Tin         ppm         ASTM D5185m         >15           Vanadium         ppm         ASTM D5185m         >15           Water Metal         scalar         *Visual         NONE           Yellow Metal         scalar         *Visual         NONE           Silicon         ppm         ASTM D5185m         >25           Potassium         ppm         ASTM D5185m         >20           Fuel         WC Method         >5           Water         WC Method         >0.2           Glycol         WC Method         >0.2           Work Method         So.2         WC Method           Soot %         %         *ASTM D7844         >3           Nitration         Abs/.mm         *ASTM D7415         >30           Silt         scalar         *Visual         NONE           Sulfation         *Visual         NONE           Sand/Dirt         scalar         *Visual	Silver         ppm         ASTM D5185m         >3         <1           Aluminum         ppm         ASTM D5185m         >20         10           Lead         ppm         ASTM D5185m         >40         15           Copper         ppm         ASTM D5185m         >330         2           Tin         ppm         ASTM D5185m         >15         3           Vanadium         ppm         ASTM D5185m         >0         NONE           White Metal         scalar         *Visual         NONE         NONE           Yellow Metal         scalar         *Visual         NO.2         NEG           Bycol         %6         *ASTM D7624         >20         15.7           Sulfation         Abs/.1mm         *ASTM D7415         >30	Silver         ppm         ASTM D5185m         >3         <1            Aluminum         ppm         ASTM D5185m         >20         10            Lead         ppm         ASTM D5185m         >40         15            Copper         ppm         ASTM D5185m         >30         2            Tin         ppm         ASTM D5185m         >15         3            Vanadium         ppm         ASTM D5185m         >15         3            Vallow Metal         scalar         *Visual         NONE         NONE            Vellow Metal         scalar         *Visual         NONE







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: RPL0016906 : 06063448 : 10834830 Test Package : FLEET

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 17 Jan 2024 Diagnosed : 19 Jan 2024 Diagnostician : Don Baldridge

RTL PACLEASE - 7007 - Fontana 3121 South Riverside

Bloomington, CA US 92316 Contact: Rudy Trevizo

TrevizoR@RushEnterprises.Com T: (909)829-1044

\* - 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)