

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

Area

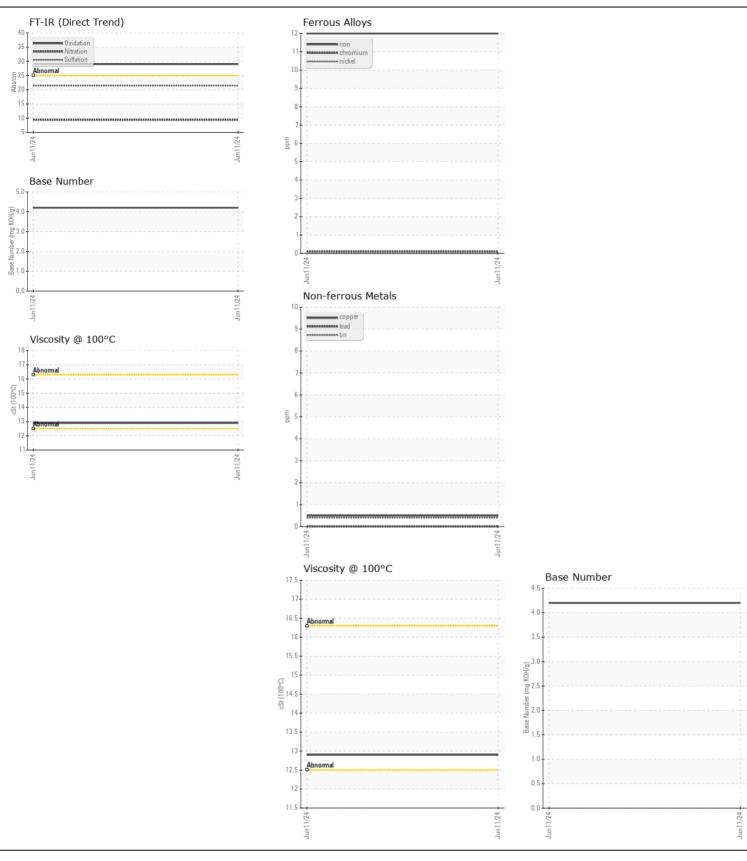
## Border Demolition

149970 Component

Diesel Engine

SHELL 15W40 (48 QTS)

Test   UM   Method   Um/Not   Courrent   RPU021221   History	SHELL 15W40 (48 QTS)							
Resample at the next service interval to monitor.   Sample Date   Client Info   Sample Date   Client Info   O   O   O   O   O   O   O   O   O	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample at the next service interval to monitor.	TESSIMIERS/CTION							
Machine Age	Resample at the next service interval to monitor.	•						
Oil Age			hrs					
Filter Age		•						
Coll Changed   Cilent Info   Not Changed   Cilent Info								
Filter Changoad   Calent Info   Not Changd		-	0					
Nome		_						
Iron		_		Onone inio		-		
All component wear rates are normal.    Chromium   ppm   ASTMD5158m   >20								
All component wear rates are normal.    Nicke	WEAR	Iron	ppm	ASTM D5185m	>100	12		
Titalium   Diff   Titalium	All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	<1		
Silver   ppm   ASTM D5185m   >20		Nickel	ppm	ASTM D5185m	>4	0		
Aluminum   ppm   ASTM D5185m   >20   4		Titanium	ppm	ASTM D5185m		0		
Lead		Silver	ppm	ASTM D5185m	>3	<1		
Copper		Aluminum	ppm	ASTM D5185m	>20	4		
Copper		Lead				0		
Tin		Copper		ASTM D5185m	>330	<1		
White Metal Yellow Metal   Scalar *Visual NONE NONE   NO		Tin	ppm	ASTM D5185m	>15	<1		
Vellow Metal   Scalar   *Visual   NONE   NONE		Vanadium	ppm	ASTM D5185m		0		
Silicon   ppm   ASTM D5185m   >25   4		White Metal	scalar	*Visual	NONE	NONE		
Potassium   ppm   ASTM 05185m   2-0   4		Yellow Metal	scalar	*Visual	NONE	NONE		
Potassium   ppm   ASTM 05185m   2-0   4								
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.  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.  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.  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.  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.  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.  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.  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.  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.  FLUID CONDITION  Boron ppm ASTM D5185m 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CONTAMINATION	Silicon	ppm					
Water	There is no indication of any contamination in the oil.		ppm	ASTM D5185m	>20	4		
Glycol   Soot % %		Fuel		WC Method	>5	<1.0		
Soot %		Water		WC Method	>0.2	NEG		
Nitration   Abs/cm   *ASTM D7624   >20   9.4		Glycol		WC Method		NEG		
Sulfation   Abs/.tmm   *ASTM D7415   >30   21.4         Silt   scalar   *Visual   NONE   NONE   NONE     Debris   scalar   *Visual   NONE   NONE   NONE   NONE     Appearance   scalar   *Visual   NORML   NORML   NORML     Appearance   scalar   *Visual   NORML   NORML   NORML     Codor   scalar   *Visual   NORML   NORML   NORML     Emulsified Water   scalar   *Visual   NORML   NORML     NORML   NORML   NORML   NORML     NORML   NORML   NORML   NORML   NORML     NORML   NORML   NORML   NORML   NORML     NORML   NORML   NORML   NORML   NORML   NORML     NORML   NORML   NORML   NORML   NORML   NORML   NORML     NORML		Soot %	%	*ASTM D7844	>3	0.3		
Silt   Scalar   *Visual   NONE   NONE   NONE   NONE   Scalar   NONE   NONE   Scalar   NONE   NONE   Scalar   NONE   NONE   NONE   Scalar   NONE   N		Nitration	Abs/cm	*ASTM D7624	>20	9.4		
Debris   Scalar   *Visual   NONE   NONE   NONE   Sand/Dirt   Scalar   *Visual   NONE   NONE		Sulfation	Abs/.1mm	*ASTM D7415	>30	21.4		
Sand/Dirt   Scalar   *Visual   NONE   NORE       NORE   Appearance   Scalar   *Visual   NORML   NORM		Silt	scalar		NONE	NONE		
Appearance		Debris	scalar	*Visual	NONE	NONE		
Calcium   Calc		Sand/Dirt	scalar	*Visual	NONE	NONE		
Emulsified Water   scalar *Visual   >0.2   NEG		Appearance	scalar	*Visual	NORML	NORML		
Sodium   ppm   ASTM D5185m   >150   3		Odor	scalar	*Visual	NORML	NORML		
Boron   ppm   ASTM D5185m   73		<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG		
Boron   ppm   ASTM D5185m   73	ELUID CONDITION	C = =1i:=		ACTM DE10E	150	•		
Barium   ppm   ASTM D5185m   98         Molybdenum   ppm   ASTM D5185m   98         Magnesium   ppm   ASTM D5185m   721         Calcium   ppm   ASTM D5185m   1273         Phosphorus   ppm   ASTM D5185m   783         Zinc   ppm   ASTM D5185m   944         Sulfur   ppm   ASTM D5185m   944         Sulfur   ppm   ASTM D5185m   3539         Oxidation   Abs/.1mm   *ASTM D7414   >25   29.0         Base Number (BN)   mg KOH/g   ASTM D2896   4.2	FLUID CONDITION				>150			
oil. The condition of the oil is acceptable for the time in service.    Molybdenum   ppm   ASTM D5185m   98         Manganese   ppm   ASTM D5185m   721         Calcium   ppm   ASTM D5185m   1273         Phosphorus   ppm   ASTM D5185m   783         Zinc   ppm   ASTM D5185m   944         Sulfur   ppm   ASTM D5185m   3539         Oxidation   Abs/.1mm *ASTM D7414   >25   29.0         Base Number (BN)   mg KOH/g   ASTM D2896   4.2	The BN result indicates that there is suitable alkalinity remaining in the							
Manganese         ppm         ASTM D5185m         <1	, ,							
Magnesium         ppm         ASTM D5185m         721             Calcium         ppm         ASTM D5185m         1273             Phosphorus         ppm         ASTM D5185m         783             Zinc         ppm         ASTM D5185m         944             Sulfur         ppm         ASTM D5185m         3539             Oxidation         Abs/.1mm         *ASTM D7414         >25         29.0             Base Number (BN)         mg KOH/g         ASTM D2896         4.2		-						
Calcium         ppm         ASTM D5185m         1273             Phosphorus         ppm         ASTM D5185m         783             Zinc         ppm         ASTM D5185m         944             Sulfur         ppm         ASTM D5185m         3539             Oxidation         Abs/.1mm         *ASTM D7414         >25         29.0             Base Number (BN)         mg KOH/g         ASTM D2896         4.2		-						
Phosphorus         ppm         ASTM D5185m         783             Zinc         ppm         ASTM D5185m         944             Sulfur         ppm         ASTM D5185m         3539             Oxidation         Abs/.1mm         *ASTM D7414         >25         29.0             Base Number (BN)         mg KOH/g         ASTM D2896         4.2		-						
Zinc         ppm         ASTM D5185m         944             Sulfur         ppm         ASTM D5185m         3539             Oxidation         Abs/.1mm         *ASTM D7414         >25         29.0             Base Number (BN)         mg KOH/g         ASTM D2896         4.2								
Sulfur         ppm         ASTM D5185m         3539             Oxidation         Abs/.1mm         *ASTM D7414         >25         29.0             Base Number (BN)         mg KOH/g         ASTM D2896         4.2								
Oxidation         Abs/.1mm         *ASTM D7414         >25         29.0             Base Number (BN)         mg KOH/g         ASTM D2896         4.2								
Base Number (BN)         mg KOH/g         ASTM D2896         4.2					05			
					>25			
VISC @ 100°C CSt ASTM D445		,	0 0					
		visc @ 100°C	160	ASTIVI D445		12.9		







Certificate L2367

Laboratory Sample No.

: RPL0021221 Lab Number : 06214384 Unique Number : 11087248 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Jun 2024 **Tested** : 20 Jun 2024

Diagnosed : 21 Jun 2024 - Don Baldridge RTL PACLEASE - 7020 - El Pao

3500 Doniphan Dr El Paso, TX US 79922

Contact: JUAN MARTINEZ martinezj15@rushenterprises.com

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

T: F: