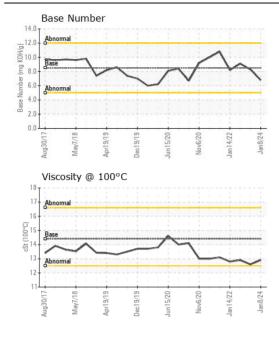
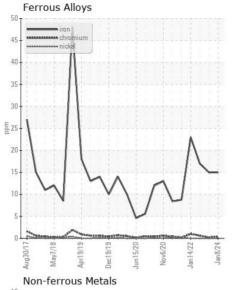
WEAR CONTAMINATION **FLUID CONDITION**

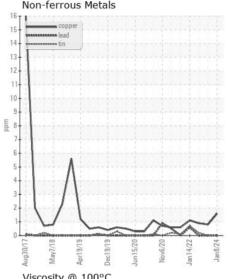
NORMAL NORMAL NORMAL

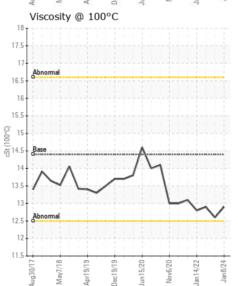
INTERNATIONAL 13380

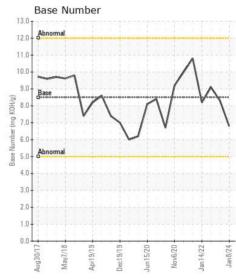
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. Test UOM Method Limit/Abn Current WC0875827 WC0787745 WC0699571 Sample Date Client Info 08 Jan 2024 17 Oct 2023 31 Aug 2022 Machine Age mls Client Info 0 0 0 0 Oil Age mls Client Info 0 0 0 0 Filter Age mls Client Info 0 0 0 0 Oil Changed Client Info Changed Changed N/A Filter Changed Sample Status Client Info NORMAL NORMAL	Component Diesel Engine							
Test UOM Method UnitAry Woots7827 Woots782	Fluid							
No. No.								
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. Sample State Client linfo 0 0 0 0 0 0 0 0 0	RECOMMENDATION		UOM		Limit/Abn		,	
Sample Date Collect Info Collect Collect Info Collect Collect Info	Resample at the next service interval to monitor. Please specify the							
Oi Age mis Oilent Info Oilent Oilent	,							_
Filter Age		•						
Oi Changed Cilent Info Changed Changed Changed Changed Changed Changed Changed N/A N/A								
Filter Changed Cample Status		•	mis			-		
NORMAL N						_		
Iron		•		Client into		•	- U	
All component wear rates are normal.						NORMAL	INORIVIAL	INONIVIAL
Nickel ppm ASTM D5185m >2 0 0 0 0 0 0 0 0 0	WEAR	Iron	ppm	ASTM D5185m	>90	15	15	17
Nicket Spirit Astro-Sistem Spirit Astro-Sistem Spirit Spirit	A11	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Silver ppm ASTM D5185m >2	All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>2	0	0	0
Aluminum ppm ASTM D5185m >20 14 16 14		Titanium	ppm	ASTM D5185m	>2	0	0	0
Lead ppm ASTM DS185m >40 0 0 0 0		Silver	ppm	ASTM D5185m	>2	0	0	0
Copper		Aluminum	ppm	ASTM D5185m	>20	14	16	14
Tin		Lead	ppm	ASTM D5185m	>40	0	0	0
Vanadium ppm ASTM D5185m Vanadium None		Copper	ppm	ASTM D5185m	>330	2	<1	<1
White Metal Scalar *Visual NONE NO			ppm		>15	0		
Vellow Metal Scalar Visual NONE NONE NONE NONE NONE NONE NONE			ppm					
CONTAMINATION								
Potassium Pota		Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Potassium Pota	CONTAMINATION	Silicon	nnm	ASTM D5185m	>25	5	4	4
Fuel WC Method O.2.0 NEG N	CONTAMINATION		• • • • • • • • • • • • • • • • • • • •					
Water WC Method NEG NE			PP···					
Column C	•							
Soot %								
Nitration Abs/cm *ASTM D7624 >20 8.3 9.1 11.4	indication of any contamination in the oil.	-	%	*ASTM D7844	>6	0.3	0.4	0.2
Silt Scalar *Visual NONE NONE		Nitration	Abs/cm	*ASTM D7624	>20	8.3	9.1	11.4
Debris Scalar Visual NONE NORML NO		Sulfation	Abs/.1mm	*ASTM D7415	>30	21.9	20.5	23.9
Sand/Dirt Scalar *Visual NONE NONE NONE NORML		Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance		Debris	scalar	*Visual	NONE	NONE	NONE	NONE
NORML NORM		Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Emulsified Water scalar *Visual >0.2 NEG NEG NEG		Appearance	scalar	*Visual		NORML		
Sodium ppm ASTM D5185m >158 1 2 2 2		Odor	scalar					
Boron ppm ASTM D5185m 250 305 3 6		Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Boron ppm ASTM D5185m 250 305 3 6	FLUID CONDITION	Sodium	nnm	ASTM D5185m	>158	1	2	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 10 0 65 60	TEGID CONDITION		• • • • • • • • • • • • • • • • • • • •					
Molybdenum ppm ASTM D5185m 100 90 65 60 Manganese ppm ASTM D5185m 450 442 908 908 Calcium ppm ASTM D5185m 450 442 908 908 Calcium ppm ASTM D5185m 3000 1393 1048 1084 Phosphorus ppm ASTM D5185m 1150 1041 981 983 Zinc ppm ASTM D5185m 1350 1255 1216 1245 Sulfur ppm ASTM D5185m 4250 3236 3303 2879 Oxidation Abs/.1mm *ASTM D7414 >25 17.0 17.5 20.4 Base Number (BN) mg KOH/g ASTM D2896 8.5 6.8 8.3 9.1	, ,							
Manganese ppm ASTM D5185m <1	oil. The condition of the oil is suitable for further service.		• • • • • • • • • • • • • • • • • • • •					
Magnesium ppm ASTM D5185m 450 442 908 908 Calcium ppm ASTM D5185m 3000 1393 1048 1084 Phosphorus ppm ASTM D5185m 1150 1041 981 983 Zinc ppm ASTM D5185m 1350 1255 1216 1245 Sulfur ppm ASTM D5185m 4250 3236 3303 2879 Oxidation Abs/.1mm *ASTM D7414 >25 17.0 17.5 20.4 Base Number (BN) mg KOH/g ASTM D2896 8.5 6.8 8.3 9.1		•						
Calcium ppm ASTM D5185m 3000 1393 1048 1084 Phosphorus ppm ASTM D5185m 1150 1041 981 983 Zinc ppm ASTM D5185m 1350 1255 1216 1245 Sulfur ppm ASTM D5185m 4250 3236 3303 2879 Oxidation Abs/.1mm *ASTM D7414 >25 17.0 17.5 20.4 Base Number (BN) mg KOH/g ASTM D2896 8.5 6.8 8.3 9.1		-			450			
Phosphorus ppm ASTM D5185m 1150 1041 981 983 Zinc ppm ASTM D5185m 1350 1255 1216 1245 Sulfur ppm ASTM D5185m 4250 3236 3303 2879 Oxidation Abs/.1mm *ASTM D7414 >25 17.0 17.5 20.4 Base Number (BN) mg KOH/g ASTM D2896 8.5 6.8 8.3 9.1		•						
Zinc ppm ASTM D5185m 1350 1255 1216 1245 Sulfur ppm ASTM D5185m 4250 3236 3303 2879 Oxidation Abs/.1mm *ASTM D7414 >25 17.0 17.5 20.4 Base Number (BN) mg KOH/g ASTM D2896 8.5 6.8 8.3 9.1		Phosphorus					981	983
Sulfur ppm ASTM D5185m 4250 3236 3303 2879 Oxidation Abs/.1mm *ASTM D7414 >25 17.0 17.5 20.4 Base Number (BN) mg KOH/g ASTM D2896 8.5 6.8 8.3 9.1		Zinc		ASTM D5185m	1350			
Base Number (BN) mg KOH/g ASTM D2896 8.5 6.8 8.3 9.1		Sulfur		ASTM D5185m	4250	3236	3303	2879
		Oxidation	Abs/.1mm	*ASTM D7414	>25	17.0	17.5	20.4
Visc @ 100°C cSt ASTM D445 14.4		Base Number (BN)	mg KOH/g	ASTM D2896	8.5	6.8	8.3	9.1
- · · · · · · · · · · · · · · · · · · ·		Visc @ 100°C	cSt	ASTM D445	14.4	12.9	12.6	12.9













Certificate L2367

Laboratory Sample No. Lab Number

Unique Number Test Package : FLEET

: WC0875827 : 06061791 : 10833173

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 16 Jan 2024 : 18 Jan 2024 Diagnosed

: Wes Davis Diagnostician

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)

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US 27105

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