**WEAR CONTAMINATION FLUID CONDITION**  **ATTENTION ABNORMAL NORMAL** 

Machine Id

223168 [] Component \_

Test	Diesel Engine							
Test	Fluid							
We advise that you check the air filter, air induction system, and any areas where diff may enter the component. Oil and litter change at the time of sampling has been noted. Resample at the next service interval to monitor.								
We advise that you check the air filter, air induction system, and any areas where diff may enter the component. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.    Sample Date	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Agriculture		Sample Number		Client Info				
time of sampling has been noted. Resample at the next service interval to monitor.    Machine Age   mls   Client Info   0      Filter Age   mls   Client Info   0      Filter Changed   Client Info   Changed      Client Info   Changed   Client Info   Changed      Client Info   Changed      Client Info   Changed      Client Info   Changed		Sample Date		Client Info		01 Feb 2024		
to monitor.  Oil Age mls Client Info		Machine Age	mls	Client Info		33411		
Cichanged   Cilent Info   Changed   Changed	, ,	Oil Age	mls	Client Info		0		
Filter Changed   Sample Status		Filter Age	mls	Client Info		0		
Name		Oil Changed		Client Info		Changed		
Metal levels are typical for a new component breaking in.		Filter Changed		Client Info		Changed		
Chromium   ppm   ASTM D5185m   2-0   1           Mickel   ppm   ASTM D5185m   2-0   1           Titanium   ppm   ASTM D5185m   2-0   37   2       AUMINIUM   ppm   ASTM D5185m   2-0   3-0       AUMINIUM   ppm   ASTM D5185m   2-0   3-1       AUMINIUM   ppm   ASTM D518		Sample Status				ABNORMAL		
Chromium   ppm   ASTM D5186m   S20   1           Titanium   ppm   ASTM D5186m   S20   1           Titanium   ppm   ASTM D5186m   S20   37         Titanium   ppm   ASTM D5186m   S20   37         ASTM D5186m   S20   S7	WEAR	Iron	nnm	ΔSTM D5185m	<b>\100</b>	/13		
Nickel   ppm   ASTM DS185m   4   1	WLAN							
Titanium   ppm   ASTM D5185m   -3   -1	Metal levels are typical for a new component breaking in.							
Silver   ppm   ASTM D5185m   >3   <1					>4			
Aluminum   ppm   ASTM D5185m   >20   37					. 0			
Lead			• • • • • • • • • • • • • • • • • • • •					
Copper								
Tin			• • • • • • • • • • • • • • • • • • • •					
Vanadium   Vanadium								
White Metal Yellow Metal   Scalar Yolsual NoNE					>15			
Yellow Metal   Scalar   Yisual   NONE   NONE					NONE			
Silicon   ppm   ASTM D5185m   225   76								
Potassium		Yellow Metal	scalar	*Visual	NONE	NONE		
Potassium	CONTAMINATION	Silicon	nnm	ASTM D5185m	<b>-25</b>	A 76		
Fluel   WC Method   Solition   Sin   and aluminum   Ali) indicate alumina-silicate (coarse dirt) ingress.   Fuel   WC Method   Solition   Abs/cm   "ASTM D7844   Solition   Solition   Abs/cm   "ASTM D7844   Solition   Solition   Solition   Abs/cm   "ASTM D7844   Solition	Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-		• • • • • • • • • • • • • • • • • • • •					
Water   WC Method   Solitary   Solitary   WC Method   Solitary			ррпп					
Glycol   Soot %								
Soot %					<i>&gt;</i> 0.2			
Nitration   Abs/cm   *ASTM D7624   >20   11.3		,	0/		. 2			
Sulfation								
Silt   Scalar   *Visual   NONE   NO								
Debris   Scalar   *Visual   NONE   NONE   NONE   Sand/Dirt   Scalar   *Visual   NONE   NONE								
Sand/Dirt   Scalar   *Visual   NONE   NONE           Appearance   Scalar   *Visual   NORML   NORM						_		
Appearance   Scalar   *Visual   NORML   NORM								
Odor   Scalar *Visual   NORML   NORM								
Emulsified Water   scalar   *Visual   >0.2   NEG								
Sodium   ppm   ASTM D5185m   250   110								
Boron   ppm   ASTM D5185m   250   110	<u></u>	Liliuisilieu vvalei	Scalai	Visuai	>0.2			
Boron   ppm   ASTM D5185m   250   110	FLUID CONDITION	Sodium	ppm	ASTM D5185m		3		
oil. The condition of the oil is acceptable for the time in service.    Molybdenum   ppm   ASTM D5185m   100   126         Manganese   ppm   ASTM D5185m   4         Magnesium   ppm   ASTM D5185m   450   680         Calcium   ppm   ASTM D5185m   3000   1346         Phosphorus   ppm   ASTM D5185m   1150   724         Zinc   ppm   ASTM D5185m   1350   836         Sulfur   ppm   ASTM D5185m   4250   2157			• • • • • • • • • • • • • • • • • • • •	ASTM D5185m	250	110		
Molybdenum ppm ASTM D5185m 100 126 Manganese ppm ASTM D5185m 450 680 Calcium ppm ASTM D5185m 3000 1346 Phosphorus ppm ASTM D5185m 1150 724 Sulfur ppm ASTM D5185m 4250 2157 Sulfur ppm ASTM D5185m 4250 2157	, , ,	Barium	ppm	ASTM D5185m	10	1		
Manganese         ppm         ASTM D5185m         4             Magnesium         ppm         ASTM D5185m         450         680             Calcium         ppm         ASTM D5185m         3000         1346             Phosphorus         ppm         ASTM D5185m         1150         724             Zinc         ppm         ASTM D5185m         1350         836             Sulfur         ppm         ASTM D5185m         4250         2157		Molybdenum	• • • • • • • • • • • • • • • • • • • •	ASTM D5185m	100	126		
Magnesium         ppm         ASTM D5185m         450         680             Calcium         ppm         ASTM D5185m         3000         1346             Phosphorus         ppm         ASTM D5185m         1150         724             Zinc         ppm         ASTM D5185m         1350         836             Sulfur         ppm         ASTM D5185m         4250         2157		-				4		
Calcium         ppm         ASTM D5185m         3000         1346             Phosphorus         ppm         ASTM D5185m         1150         724             Zinc         ppm         ASTM D5185m         1350         836             Sulfur         ppm         ASTM D5185m         4250         2157		-		ASTM D5185m	450	680		
Phosphorus         ppm         ASTM D5185m         1150         724             Zinc         ppm         ASTM D5185m         1350         836             Sulfur         ppm         ASTM D5185m         4250         2157		Calcium		ASTM D5185m	3000	1346		
Zinc         ppm         ASTM D5185m         1350         836             Sulfur         ppm         ASTM D5185m         4250         2157		Phosphorus		ASTM D5185m	1150	724		
Sulfur         ppm         ASTM D5185m         4250         2157		Zinc						

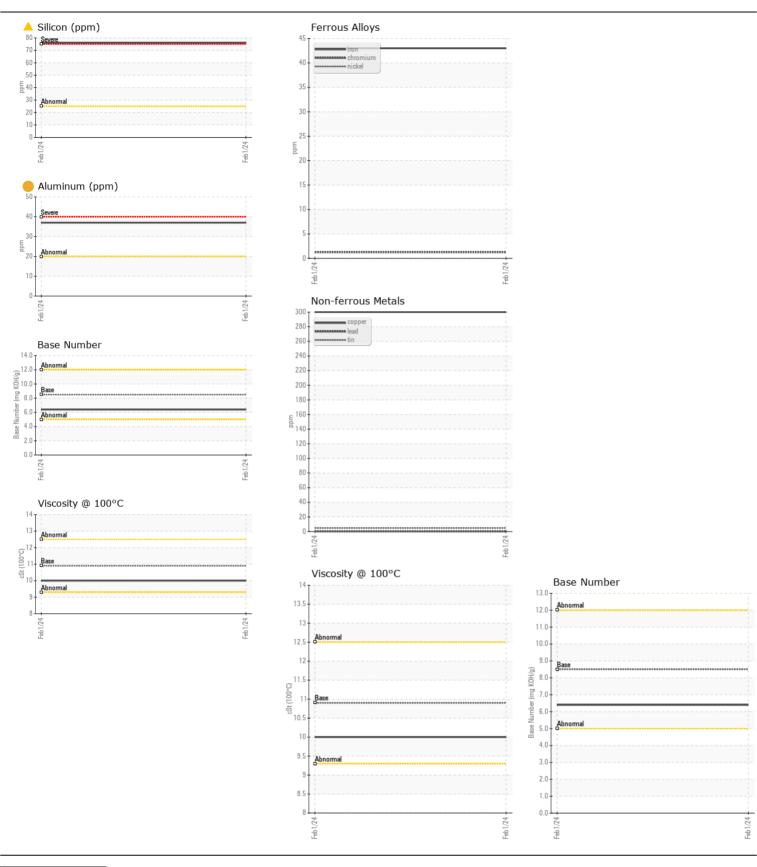
6.4

10.0

Base Number (BN) mg KOH/g ASTM D2896 8.5

ASTM D445 10.9

Visc @ 100°C cSt







Certificate L2367

Laboratory Sample No.

: PCA0101230 Lab Number : 06102344 Unique Number : 10900574 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 27 Feb 2024 **Tested** 

: 28 Feb 2024 Diagnosed

: 29 Feb 2024 - Sean Felton

McLane Company - High Plains - 600HP

1717 East Loop 289 LUBBOCK, TX US 79403

T: (806)766-2902

Contact: RITA GARCIA rita.garcia@mclaneco.com

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

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

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)