

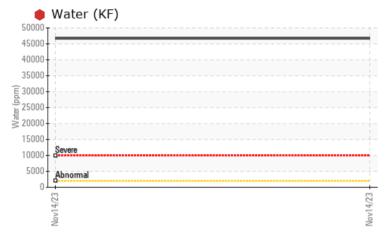
# T0333DK184896

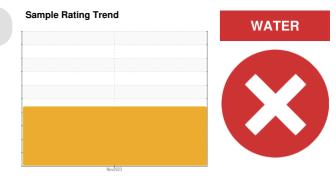
**JAMES RIVER** 

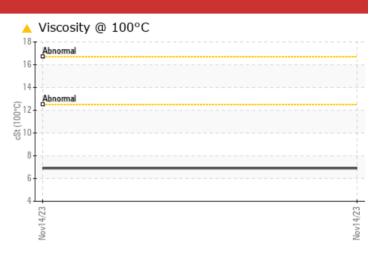
EOUIPMENT

Component Diesel Engine Fluid NOT GIVEN (--- GAL)

#### COMPONENT CONDITION SUMMARY







#### RECOMMENDATION

We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. Please note that there was too much water present in the oil to perform an accurate viscosity test.

#### PROBLEMATIC TEST RESULTS

THOBELEM THO TEOTHEODETO								
Sample Status				SEVERE				
Water	%	ASTM D6304	>0.2	4.67				
ppm Water	ppm	ASTM D6304	>2000	<b>46700</b>				
Appearance	scalar	*Visual	NORML	🔺 HAZY				
Emulsified Water	scalar	*Visual	>0.2	<b>0.2%</b>				
Visc @ 100°C	cSt	ASTM D445		<u> </u>				

Customer Id: JAMCHA Sample No.: JR0192519 Lab Number: 06009433 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDE	RECOMMENDED ACTIONS					
Action	Status	Date	Done By	Description		
Change Fluid			?	We recommend that you drain the oil and perform a filter service on this component if not already done.		
Change Filter			?	We recommend that you drain the oil and perform a filter service on this component if not already done.		
Resample			?	We recommend an early resample to monitor this condition.		
Alert			?	Please note that there was too much water present in the oil to perform a viscosity test.		

HISTORICAL DIAGNOSIS



### **OIL ANALYSIS REPORT**

X

#### Machine Id T0333DK184896 Component

Diesel Engine Fluid NOT GIVEN (--- GAL)

#### DIAGNOSIS

#### Recommendation

We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. Please note that there was too much water present in the oil to perform an accurate viscosity test.

#### Wear

All component wear rates are normal.

#### Contamination

Fuel content negligible. There is a high concentration of water present in the oil.

#### Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

Sample Number   Client Info   JR0192519       Sample Date   Client Info   14 Nov 2023       Machine Age   hrs   Client Info   2100       Oil Age   hrs   Client Info   Not Changd       Sample Status   I   Tentho   Not Changd       WEAR METALS   method   Imitions   SEVERE       Nickel   ppm   ASTM 05185   >20   27       Nickel   ppm   ASTM 05185   >20   0       Aluminum   ppm   ASTM 05185   >20   2       Aduminum   ppm   ASTM 05185   >30        Aduminum   ppm   ASTM 05185   >30   -1       Aduminum   ppm   ASTM 05185   >30   -1       Aduminum   ppm   ASTM 05185   >30   -1 <t< th=""><th>SAMPLE INFORM</th><th><b>IATION</b></th><th>method</th><th>limit/base</th><th>current</th><th>history1</th><th>history2</th></t<>	SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Machine Age     hrs     Client Info     2100         Oil Age     hrs     Client Info     2100         Oil Changed     Client Info     Not Changd         Sample Status     Client Info     Not Changd         WEAR METALS     method     Imit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >20     0         Nickel     ppm     ASTM D5185m     >20     2         Aluminum     ppm     ASTM D5185m     >30     1         Aluminum     ppm     ASTM D5185m     >30     1 <t< th=""><th>Sample Number</th><th></th><th>Client Info</th><th></th><th>JR0192519</th><th></th><th></th></t<>	Sample Number		Client Info		JR0192519		
Oil Age     hrs     Client Info     P100         Sample Status     I     Imit/base     Current     History1     History2       Iron     ppm     ASTM D5185m     >100     27         Chromium     ppm     ASTM D5185m     >20     0         Nickel     ppm     ASTM D5185m     >4     0         Nickel     ppm     ASTM D5185m     >4     0         Aluminum     ppm     ASTM D5185m     >20     2         Aluminum     ppm     ASTM D5185m     >20     2         Aluminum     ppm     ASTM D5185m     >20     2         AstM D5185m     >15     <1           Cadrium     ppm     ASTM D5185m     1          Marganesium     ppm     ASTM D5185m     1	Sample Date		Client Info		14 Nov 2023		
Oil Changed     Client Info     Not Changed	Machine Age	hrs	Client Info		2100		
Sample Status     Initial control     SEVERE         WEAR METALS     method     limil/base     current     history1     history2       Iron     ppm     ASTM D5165m     >100     27         Nickel     ppm     ASTM D5165m     >4     0         Silver     ppm     ASTM D5165m     >4     0         Aluminum     ppm     ASTM D5165m     >40     0         Aluminum     ppm     ASTM D5165m     >40     0         Copper     ppm     ASTM D5165m     >40     0         Vanadium     ppm     ASTM D5165m     >15     <1         Cadmium     ppm     ASTM D5185m     15     <1         Molybdenum     ppm     ASTM D5185m     378          Magnesium     ppm     ASTM D5185m     407	Oil Age	hrs	Client Info		2100		
WEAR METALS     method     limi/base     current     history1     history2       Iron     ppm     ASTM D5185m<>100     27         Nickel     ppm     ASTM D5185m<>20     0         Nickel     ppm     ASTM D5185m     <1         Nickel     ppm     ASTM D5185m     <20     2         Aluminum     ppm     ASTM D5185m     >20     2         Lead     ppm     ASTM D5185m     >20     2         Copper     ppm     ASTM D5185m     >330     <1         Vanadium     ppm     ASTM D5185m     <1          Cadmium     ppm     ASTM D5185m     <1          Manganese     ppm     ASTM D5185m     0          Magnesium     ppm     ASTM D5185m     1159 <td< th=""><th>Oil Changed</th><th></th><th>Client Info</th><th></th><th>Not Changd</th><th></th><th></th></td<>	Oil Changed		Client Info		Not Changd		
Iron     ppm     ASTM D5185m     >100     27         Chromium     ppm     ASTM D5185m     >20     0         Nickel     ppm     ASTM D5185m     >4     0         Silver     ppm     ASTM D5185m     >3     0         Aluminum     ppm     ASTM D5185m     >30     0         Lead     ppm     ASTM D5185m     >40     0         Vanadium     ppm     ASTM D5185m     >15     <1         Vanadium     ppm     ASTM D5185m     >15     <1         Vanadium     ppm     ASTM D5185m     <1          Cadmium     ppm     ASTM D5185m     <1          Molydenum     ppm     ASTM D5185m     74          Magnasium     pm     ASTM D5185m     407 <th>Sample Status</th> <th></th> <th></th> <th></th> <th>SEVERE</th> <th></th> <th></th>	Sample Status				SEVERE		
Chromium     ppm     ASTM D5185m     >20     0         Nickel     ppm     ASTM D5185m     >4     0         Titanium     ppm     ASTM D5185m     >3     0         Silver     ppm     ASTM D5185m     >20     2         Lead     ppm     ASTM D5185m     >20     2         Lead     ppm     ASTM D5185m     >20     2         Vanadium     ppm     ASTM D5185m     >20     1         Vanadium     ppm     ASTM D5185m     >15     <1         Cadmium     ppm     ASTM D5185m     <1          ADDTIVES     method     Imit/base     current     history1     history1     history2       Boron     ppm     ASTM D5185m     0           Molydenum     ppm     A	WEAR METALS		method	limit/base	current	history1	history2
Nickel     ppm     ASTM D5185m     >4     0         Titanium     ppm     ASTM D5185m     >3     0         Silver     ppm     ASTM D5185m     >3     0         Aluminum     ppm     ASTM D5185m     >20     2         Lead     ppm     ASTM D5185m     >20     2         Copper     ppm     ASTM D5185m     >330     <1	Iron	ppm	ASTM D5185m	>100	27		
Titanium     ppm     ASTM D5185m <td>Chromium</td> <td>ppm</td> <td>ASTM D5185m</td> <td>&gt;20</td> <th>0</th> <td></td> <td></td>	Chromium	ppm	ASTM D5185m	>20	0		
Titanium     ppm     ASTM D5185m     <     <1         Silver     ppm     ASTM D5185m     >3     0         Aluminum     ppm     ASTM D5185m     >20     2         Lead     ppm     ASTM D5185m     >20     2         Copper     ppm     ASTM D5185m     >20     2         Vanadium     ppm     ASTM D5185m     >30     <1	Nickel	ppm	ASTM D5185m	>4	0		
Silver     ppm     ASTM D5185m     >3     0         Aluminum     ppm     ASTM D5185m     >20     2         Lead     ppm     ASTM D5185m     >40     0         Copper     ppm     ASTM D5185m     >330     <1         Vanadium     ppm     ASTM D5185m     >15     <1         Vanadium     ppm     ASTM D5185m     >15     <1         Cadmium     ppm     ASTM D5185m     15     <1         ADDITIVES     method     limit/base     current     history1     history2       Barium     ppm     ASTM D5185m     378         Molybdenum     ppm     ASTM D5185m     378         Magnesium     ppm     ASTM D5185m     407         Magnesium     ppm     ASTM D5185m     3327	Titanium		ASTM D5185m		<1		
Aluminum     ppm     ASTM D5185m     >20     2         Lead     ppm     ASTM D5185m     >40     0         Copper     ppm     ASTM D5185m     >330     <1	Silver		ASTM D5185m	>3	0		
Lead     ppm     ASTM D5185m     >40     0         Copper     ppm     ASTM D5185m     >330     <1	Aluminum		ASTM D5185m	>20	2		
Copper     ppm     ASTM D5185m     >330     <1         Tin     ppm     ASTM D5185m     >15     <1							
Tin     ppm     ASTM D5185m     >15     <1         Vanadium     ppm     ASTM D5185m     <1					-		
Vanadium     ppm     ASTM D5185m     <1         Cadmium     ppm     ASTM D5185m     <1         ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     378         Barium     ppm     ASTM D5185m     0         Malybdenum     ppm     ASTM D5185m     74         Manganese     ppm     ASTM D5185m     407         Magnesium     ppm     ASTM D5185m     407         Calcium     ppm     ASTM D5185m     407         Calcium     ppm     ASTM D5185m     1264         Sulfur     ppm     ASTM D5185m     3327         Sulfur     ppm     ASTM D5185m     >20     2         Solium     ppm     ASTM D5185m     >20<							
Cadmium     ppm     ASTM D5185m     <1         ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     378         Barium     ppm     ASTM D5185m     0         Molybdenum     ppm     ASTM D5185m     74         Manganese     ppm     ASTM D5185m     407         Magnesium     ppm     ASTM D5185m     407         Calcium     ppm     ASTM D5185m     890         Calcium     ppm     ASTM D5185m     890         Sulfur     ppm     ASTM D5185m     3327         Sulfur     ppm     ASTM D5185m     >20     2         Sodium     ppm     ASTM D5185m     >20     2         Sodium     ppm     ASTM D5185m     >20							
ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     378         Barium     ppm     ASTM D5185m     0         Molybdenum     ppm     ASTM D5185m     74         Manganese     ppm     ASTM D5185m     407         Magnesium     ppm     ASTM D5185m     407         Calcium     ppm     ASTM D5185m     890         Phosphorus     ppm     ASTM D5185m     890         Sulfur     ppm     ASTM D5185m     3327         Sulfur     ppm     ASTM D5185m     >20     2         Sodium     ppm     ASTM D5185m     >20     2         Sulfur     ppm     ASTM D5185m     >20     2         Vater     %							
Boron     ppm     ASTM D5185m     378        Barium     ppm     ASTM D5185m     0        Molybdenum     ppm     ASTM D5185m     74        Manganese     ppm     ASTM D5185m     407        Magnesium     ppm     ASTM D5185m     407        Calcium     ppm     ASTM D5185m     407        Calcium     ppm     ASTM D5185m     407        Calcium     ppm     ASTM D5185m     890        Zinc     ppm     ASTM D5185m     890         Sulfur     ppm     ASTM D5185m     890         Sulfur     ppm     ASTM D5185m     3327         Sulfur     ppm     ASTM D5185m     >22     6         Sodium     ppm     ASTM D5185m     >20     2         Fuel     %     ASTM D5185m     >20     2		T- T-		limit/base	current	history1	history2
Barium     ppm     ASTM D5185m     0         Molybdenum     ppm     ASTM D5185m     74         Manganese     ppm     ASTM D5185m     407         Magnesium     ppm     ASTM D5185m     407         Calcium     ppm     ASTM D5185m     407         Phosphorus     ppm     ASTM D5185m     1264         Zinc     ppm     ASTM D5185m     890         Sulfur     ppm     ASTM D5185m     3327         Sulfur     ppm     ASTM D5185m     >25     6         Sodium     ppm     ASTM D5185m     >20     2         Sodium     ppm     ASTM D5185m     >20     2         Fuel     %     ASTM D5185m     >20     2         Fuel     %     ASTM D5185m		ppm		IIIIII/Dasc			
Molybdenum     ppm     ASTM D5185m     74        Manganese     ppm     ASTM D5185m     407        Magnesium     ppm     ASTM D5185m     407        Calcium     ppm     ASTM D5185m     407        Phosphorus     ppm     ASTM D5185m     890        Zinc     ppm     ASTM D5185m     890        Sulfur     ppm     ASTM D5185m     890        Sulfur     ppm     ASTM D5185m     3327         Sodium     ppm     ASTM D5185m     >25     6         Sodium     ppm     ASTM D5185m     >20     2         Sodium     ppm     ASTM D5185m     >20     2         Vater     %     ASTM D5185m     >20     2         Water     %     ASTM D5185m     >20     4.67         glycol							
Marganese     ppm     ASTM D5185m     <1         Magnesium     ppm     ASTM D5185m     407         Calcium     ppm     ASTM D5185m     407         Calcium     ppm     ASTM D5185m     890         Phosphorus     ppm     ASTM D5185m     890         Zinc     ppm     ASTM D5185m     3327         Sulfur     ppm     ASTM D5185m     >25     6         Sodium     ppm     ASTM D5185m     >25     6         Sodium     ppm     ASTM D5185m     >20     2         Sodium     ppm     ASTM D5185m     >20     2         Fuel     %     ASTM D5185m     >20     2         Water     %     ASTM D5185m     >20     4.670         Glycol     % <td></td> <td></td> <td></td> <td></td> <th>-</th> <td></td> <td></td>					-		
Magnesium     ppm     ASTM D5185m     407        Calcium     ppm     ASTM D5185m     1264        Phosphorus     ppm     ASTM D5185m     890        Zinc     ppm     ASTM D5185m     1159        Sulfur     ppm     ASTM D5185m     3327         CONTAMINANTS     method     imit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     6         Sodium     ppm     ASTM D5185m     >20     2         Sodium     ppm     ASTM D5185m     >20     2         Sodium     ppm     ASTM D5185m     >20     2         Vater     %     ASTM D534     >2     1.1         Water     %     ASTM D6304     >.0.2     4.67         Glycol     %     *ASTM D7844     .2<							
Calcium     ppm     ASTM D5185m     1264         Phosphorus     ppm     ASTM D5185m     890         Zinc     ppm     ASTM D5185m     1159         Sulfur     ppm     ASTM D5185m     3327         CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     6         Sodium     ppm     ASTM D5185m     >20     2         Potassium     ppm     ASTM D5185m     >20     2         Fuel     %     ASTM D5324     >5     1.1         Water     %     ASTM D6304     >0.2     46700         Glycol     %     *ASTM D2982     0.0         Soot %     %     *ASTM D7624     >20     8.4	0						
Phosphorus     ppm     ASTM D5185m     890         Zinc     ppm     ASTM D5185m     1159         Sulfur     ppm     ASTM D5185m     3327         CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     6         Sodium     ppm     ASTM D5185m     >25     6         Sodium     ppm     ASTM D5185m     >20     2         Potassium     ppm     ASTM D5185m     >20     2         Fuel     %     ASTM D5185m     >20     2         Water     %     ASTM D5185m     >20     2         Glycol     %     ASTM D5185m     >200     4.67         Glycol     %     *ASTM D504     >0.2     0.00	-				-		
Zinc     ppm     ASTM D5185m     1159         Sulfur     ppm     ASTM D5185m     3327         CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     6         Sodium     ppm     ASTM D5185m     >20     2         Potassium     ppm     ASTM D5185m     >20     2         Fuel     %     ASTM D5185m     >20     2         Fuel     %     ASTM D5185m     >20     2         Water     %     ASTM D5185m     >20     2         glycol     %     ASTM D5185m     >20     2         Water     %     ASTM D6304     >0.2     467700         Glycol     %     *ASTM D7844     >3     0.1 <td></td> <td></td> <td></td> <td></td> <th>-</th> <td></td> <td></td>					-		
Sulfur     ppm     ASTM D5185m     3327         CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     6         Sodium     ppm     ASTM D5185m     >20     2         Potassium     ppm     ASTM D5185m     >20     2         Fuel     %     ASTM D5185m     >20     2         Water     %     ASTM D5034     >5     1.1         glycol     %     ASTM D6304     >0.2     4.67         Water     %     ASTM D2982     0.0          Glycol     %     *ASTM D2982     0.0          Nitration     Abs/.m     *ASTM D7624     >3     0.1         Soot %     %     *ASTM D7624     >20     8.4							
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>256SodiumppmASTM D5185m2PotassiumppmASTM D5185m>202Fuel%ASTM D5185m>202Water%ASTM D6304>0.24.67ppm WaterppmASTM D6304>200046700Glycol%*ASTM D29820.0INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D7844>30.1NitrationAbs/cm*ASTM D7624>208.4SulfationAbs/1mm*ASTM D7415>3013.8OxidationAbs/1mm*ASTM D7414>2514.8							
Silicon     ppm     ASTM D5185m     >25     6         Sodium     ppm     ASTM D5185m     2          Potassium     ppm     ASTM D5185m     >20     2         Fuel     %     ASTM D5185m     >20     2         Water     %     ASTM D6304     >5     1.1         ppm Water     ppm     ASTM D6304     >0.2     4.67         Glycol     %     ASTM D2982     0.0     46700         Glycol     %     *ASTM D2982     0.0          Soot %     %     *ASTM D7844     >3     0.1         Nitration     Abs/cm     *ASTM D7624     >20     8.4         Sulfation     Abs/.1mm     *ASTM D7624     >20     8.4    FLUID DEGRADATION     method     Imi					3327		
Sodium     ppm     ASTM D5185m     2         Potassium     ppm     ASTM D5185m     >20     2         Fuel     %     ASTM D3524     >5     1.1         Water     %     ASTM D6304     >0.2     4.67         ppm Water     ppm     ASTM D6304     >2000     46700         Glycol     %     *ASTM D2982     0.0          INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7624     >20     8.4         Nitration     Abs/cm     *ASTM D7624     >20     8.4         Sulfation     Abs/.1mm     *ASTM D7415     >30     13.8         Oxidation     Abs/.1mm     *ASTM D7414     >25     14.8	CONTAMINANTS	;	method	limit/base	current	history1	history2
Potassium     ppm     ASTM D5185m     >20     2         Fuel     %     ASTM D3524     >5     1.1         Water     %     ASTM D6304     >0.2     4.67         ppm Water     ppm     ASTM D6304     >2000     46700         Glycol     %     ASTM D6304     >2000     46700         Soot %     %     *ASTM D2982     0.0          NiFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7624     >20     8.4         Nitration     Abs/cm     *ASTM D7624     >20     8.4         Sulfation     Abs/.1mm     *ASTM D7624     >20     8.4         FLUID DEGRAD/TION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm		ppm	ASTM D5185m	>25	6		
Fuel     %     ASTM D3524     >5     1.1         Water     %     ASTM D6304     >0.2     4.67         ppm Water     ppm     ASTM D6304     >2000     46700         Glycol     %     *ASTM D2982     0.0          INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     0.1         Nitration     Abs/cm     *ASTM D7624     >20     8.4         Sulfation     Abs/.1mm     *ASTM D7624     >20     8.4         FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     14.8	Sodium	ppm	ASTM D5185m		2		
Water     %     ASTM D6304     >0.2     4.67         ppm Water     ppm     ASTM D6304     >2000     46700         Glycol     %     *ASTM D2982     0.0     46700         INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     0.1         Nitration     Abs/cm     *ASTM D7624     >20     8.4         Sulfation     Abs/.1mm     *ASTM D7624     >20     8.4         FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >20     8.4	Potassium						
ppm Water     ppm     ASTM D6304     >2000     46700         Glycol     %     *ASTM D2982     0.0          INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     0.1         Nitration     Abs/cm     *ASTM D7624     >20     8.4         Sulfation     Abs/.1mm     *ASTM D7415     >30     13.8         FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     14.8	Fuel	%		>5	1.1		
Glycol     %     *ASTM D2982     0.0         INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     0.1         Nitration     Abs/cm     *ASTM D7624     >20     8.4         Sulfation     Abs/.1mm     *ASTM D7415     >30     13.8         FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     14.8	Water	%	ASTM D6304	>0.2	4.67		
INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     0.1         Nitration     Abs/cm     *ASTM D7624     >20     8.4         Sulfation     Abs/.tmm     *ASTM D7614     >30     13.8         FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.tmm     *ASTM D7414     >25     14.8	ppm Water	ppm	ASTM D6304	>2000	<b>46700</b>		
Soot %     %     *ASTM D7844     >3     0.1         Nitration     Abs/cm     *ASTM D7624     >20     8.4         Sulfation     Abs/.1mm     *ASTM D7615     >30     13.8         FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     14.8	Glycol	%	*ASTM D2982		0.0		
Nitration     Abs/cm     *ASTM D7624     >20     8.4         Sulfation     Abs/.1mm     *ASTM D7415     >30     13.8         FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     14.8	INFRA-RED		method	limit/base	current	history1	history2
Sulfation     Abs/.1mm     *ASTM D7415     >30     13.8         FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     14.8	Soot %	%	*ASTM D7844	>3	0.1		
Sulfation     Abs/.1mm     *ASTM D7415     >30     13.8         FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     14.8	Nitration	Abs/cm	*ASTM D7624	>20	8.4		
Oxidation Abs/.1mm *ASTM D7414 >25 14.8	Sulfation	Abs/.1mm	*ASTM D7415	>30			
	FLUID DEGRADA		method	limit/base	current	history1	history2
Base Number (BN)     mg KOH/g     ASTM D2896     11.8	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.8		
	Base Number (BN)	mg KOH/g	ASTM D2896		11.8		



## **OIL ANALYSIS REPORT**



Submitted By: Mike Young - CHARLOTTE SHOP

4/23