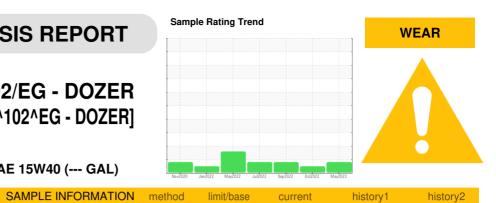


## **OIL ANALYSIS REPORT**

### OKLAHOMA/102/EG - DOZER 38.83 [OKLAHOMA^102^EG - DOZER] Componer

**Diesel Engine** 

DIESEL ENGINE OIL SAE 15W40 (--- GAL)



### DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: 8662 hrs )

#### A Wear

The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core).

#### Contamination

There is no indication of any contamination in the oil.

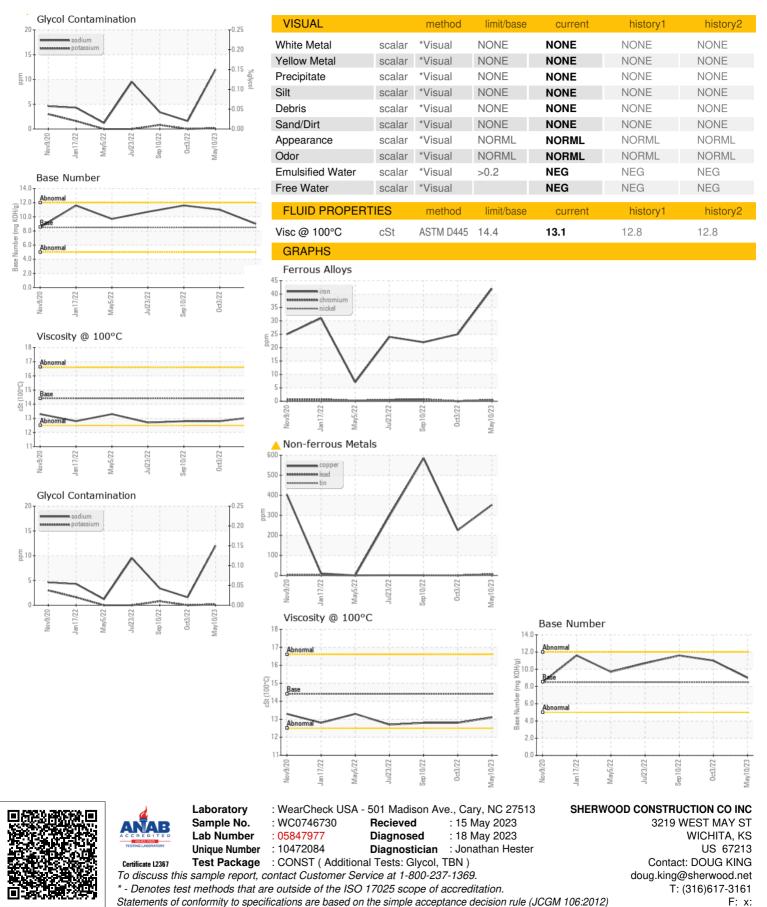
#### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Machine Age     hrs     Client Info     8662     8217     8217     2817       Oil Age     hrs     Client Info     8217     8217     8217     283       Oil Changed     Client Info     N/A     Not Changed     Changed       Sample Status     Imit/base     current     Nort MARM     NORMAL     ABNORMAL       CONTAMINATION     method     imit/base     current     history1     nistory1       Fuel     WC Method     >0.2     NEG     NEG     NEG       WEAR METALS     method     imit/base     current     history1     history1       Iron     ppm     ASTM D5185m     >100     42     25     22       Chromium     ppm     ASTM D5185m     >2     0     0     0       Titanium     ppm     ASTM D5185m     >2     0     0     0     0       Copper     ppm     ASTM D5185m     >330     A S52     2255     A 585       Tin     ppm     ASTM D5185m     >40     0	Sample Number		Client Info		WC0746730	WC0673602	WC0738539
Oil Age Oil Age Sample Status     Institution Client Info     B217     8217     288       Oil Changed Sample Status     Client Info     N/A     Not Changed     Changed       Sample Status     Image     Client Info     N/A     Not Changed     Changed       CONTAMINATION     method     Iimit/base     current     history1     history1       Fuel     WC Method     >5.2     <1.0     <1.0     <1.0       Water     Imat/base     current     history1     history1       Iron     ppm     ASTM D5185m     >20     <1     0     <1       Nickel     ppm     ASTM D5185m     >22     0     0     <1       Aluminum     ppm     ASTM D5185m     >22     0     0     <1       Copper     ppm     ASTM D5185m     >22     0     0     <1       Cadmium     ppm     ASTM D5185m     >22     0     0     <1       Copper     ppm     ASTM D5185m     >20     0     <1     <1	Sample Date		Client Info		10 May 2023	03 Oct 2022	10 Sep 2022
Oil Changed Sample Status     Client Info     N/A     Not Changed ABNORMAL     Changed ABNORMAL     Changed ABNORMAL       CONTAMINATION     method     Imit/base     current     history1     history1       Fuel     WC Method     >5     <1.0     <1.0     <1.0       Water     WC Method     >0.2     NEG     NEG     NEG       WEAR METALS     method     limit/base     current     history1     history1       Iron     ppm     ASTM D5185m     >20     <1     0     <1       Nickel     ppm     ASTM D5185m     >20     0     0     0       Nickel     ppm     ASTM D5185m     >22     0     0     0       Silver     ppm     ASTM D5185m     >25     1     <1     4       Lead     ppm     ASTM D5185m     >330     ▲ 352     225     ▲ 585       Tin     ppm     ASTM D5185m     >15     3     0     1       Vanadium     ppm     ASTM D5185m     >250     23	Machine Age	hrs	Client Info		8662	8217	8217
Sample Status     Image     ABNORMAL     NORMAL     ABNORMAL     NORMAL     ABNORMAL       CONTAMINATION     method     limit/base     current     history1     history1       Fuel     WC Method     >5     <1.0     <1.0     <1.0       Water     WC Method     >0.2     NEG     NEG     NEG       WEAR METALS     method     limit/base     current     history1     history1       Iron     ppm     ASTM D5185m     >20     <1     0     <1       Nickel     ppm     ASTM D5185m     >2     0     0     0       Silver     ppm     ASTM D5185m     >2     0     0     0       Silver     ppm     ASTM D5185m     >2     0     0     0       Copper     ppm     ASTM D5185m     >30     352     225     1       Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     101     0     2     0	Oil Age	hrs	Client Info		8217	8217	288
CONTAMINATION     method     limit/base     current     history1     history1       Fuel     WC Method     >5     <1.0     <1.0     <1.0       Water     WC Method     >0.2     NEG     NEG     NEG       WEAR METALS     method     limit/base     current     history1     history1       Iron     ppm     ASTM 05185m     >20     <1     0     <1       Nickel     ppm     ASTM 05185m     >22     0     0     0       Nickel     ppm     ASTM 05185m     >2     0     0     0       Aluminum     ppm     ASTM 05185m     >2     0     0     <1       Copper     ppm     ASTM 05185m     >15     3     0     <1       Vanadium     ppm     ASTM 05185m     >15     3     0     <1       Copper     ppm     ASTM 05185m     >15     3     0     <1       Cadmium     ppm     ASTM 05185m     10     0     0     2  <	Oil Changed		Client Info		N/A	Not Changd	Changed
Fuel     WC Method     >5     <1.0	Sample Status				ABNORMAL	NORMAL	ABNORMAL
Water     WC Method     >0.2     NEG     NEG     NEG       WEAR METALS     method     limit/base     current     history1     history1       Iron     ppm     ASTM 05185m     >20     <1     0     <1       Nickel     ppm     ASTM 05185m     >20     <1     0     <1       Nickel     ppm     ASTM 05185m     >2     0     0     0       Silver     ppm     ASTM 05185m     >2     0     0     <1       Aluminum     ppm     ASTM 05185m     >2     0     0     <1       Copper     ppm     ASTM 05185m     >2     1     <1     4       Lead     ppm     ASTM 05185m     >3     0     <1     0       Cadmium     ppm     ASTM 05185m     15     3     0     <1     0       ADDITIVES     method     limit/base     current     history1     history1       Vanadium     ppm     ASTM 05185m     10     0     0	CONTAMINATION	I	method	limit/base	current	history1	history2
WEAR METALS     method     limit/base     current     history1     history1       Iron     ppm     ASTM D5185m     >100     42     25     22       Chromium     ppm     ASTM D5185m     >20     <1     0     <1       Nickel     ppm     ASTM D5185m     >2     0     0     0       Silver     ppm     ASTM D5185m     >2     0     0     <1       Aluminum     ppm     ASTM D5185m     >2     0     0     <1       Aluminum     ppm     ASTM D5185m     >2     0     0     <1       Copper     ppm     ASTM D5185m     >330     A 352     225     ▲ 585       Tin     ppm     ASTM D5185m     15     3     0     <1       Vanadium     ppm     ASTM D5185m     15     3     0     <1       Vanadium     ppm     ASTM D5185m     100     0     0     2       Molybdenum     ppm     ASTM D5185m     100     42	Fuel		WC Method	>5	<1.0	<1.0	<1.0
Iron     ppm     ASTM D5185m     >100     42     25     22       Chromium     ppm     ASTM D5185m     >20     <1     0     <1       Nickel     ppm     ASTM D5185m     >2     0     0     0       Silver     ppm     ASTM D5185m     >2     0     0     <1       Aluminum     ppm     ASTM D5185m     >2     0     0     <1       Lead     ppm     ASTM D5185m     >25     1     <1     4       Lead     ppm     ASTM D5185m     >25     1     <1     4       Lead     ppm     ASTM D5185m     >40     6     0     <1       Copper     ppm     ASTM D5185m     >15     3     0     <1       Vanadium     ppm     ASTM D5185m     10     0     0     0       Cadmium     ppm     ASTM D5185m     100     42     40     39       Barium     ppm     ASTM D5185m     100     41     <1     <	Water		WC Method	>0.2	NEG	NEG	NEG
Chromium     ppm     ASTM D5185m     >20     <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel     ppm     ASTM D5185m     >2     0     0     0       Titanium     ppm     ASTM D5185m     >2     6     0     0        Silver     ppm     ASTM D5185m     >2     0     0     <1     4       Lead     ppm     ASTM D5185m     >25     1     <1     4       Lead     ppm     ASTM D5185m     >30     ▲     352     225     ▲     585       Tin     ppm     ASTM D5185m     >15     3     0     <1     0       Vanadium     ppm     ASTM D5185m     10     0	Iron	ppm	ASTM D5185m	>100	42	25	22
Titanium     ppm     ASTM D5185m     >2     6     0     0       Silver     ppm     ASTM D5185m     >2     0     <1     4       Lead     ppm     ASTM D5185m     >25     1     <1     4       Lead     ppm     ASTM D5185m     >40     6     0     <1       Copper     ppm     ASTM D5185m     >330     352     225     ▲     585       Tin     ppm     ASTM D5185m     >15     3     0     <1     0       Vanadium     ppm     ASTM D5185m     >15     3     0     <1     0       Cadmium     ppm     ASTM D5185m     0     0     0     0     0       Boron     ppm     ASTM D5185m     100     42     40     39     39       Marganese     ppm     ASTM D5185m     100     41     <1     <1     <1     41     41     41     44     44     44     44     44     515     520 <td< th=""><th>Chromium</th><th>ppm</th><th>ASTM D5185m</th><th>&gt;20</th><th>&lt;1</th><th>0</th><th>&lt;1</th></td<>	Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Silver     ppm     ASTM D5185m     >2     0     0     <1	Nickel	ppm	ASTM D5185m	>2	0	0	0
Aluminum   ppm   ASTM D5185m   >25   1   <1   4     Lead   ppm   ASTM D5185m   >40   6   0   <1     Copper   ppm   ASTM D5185m   >330   AS52   225   A 585     Tin   ppm   ASTM D5185m   >15   3   0   <1     Vanadium   ppm   ASTM D5185m   >15   3   0   <1     Vanadium   ppm   ASTM D5185m   0   0   0   0     Cadmium   ppm   ASTM D5185m   250   23   43   27     Barium   ppm   ASTM D5185m   250   23   43   27     Barium   ppm   ASTM D5185m   10   0   0   2     Molybdenum   ppm   ASTM D5185m   100   42   40   39     Marganese   ppm   ASTM D5185m   100   42   40   44     Calcium   ppm   ASTM D5185m   450   520   486   444     Calcium   ppm   ASTM D5185m   150   743<	Titanium	ppm	ASTM D5185m	>2	6	0	0
Lead     ppm     ASTM D5185m     >40     6     0     <1	Silver	ppm	ASTM D5185m	>2	0	0	<1
Copper     ppm     ASTM D5185m     >330     ▲ 352     225     ▲ 585       Tin     ppm     ASTM D5185m     >15     3     0     <1       Vanadium     ppm     ASTM D5185m     >15     3     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0     0       Boron     ppm     ASTM D5185m     250     23     43     27       Barium     ppm     ASTM D5185m     10     0     0     2       Molybdenum     ppm     ASTM D5185m     100     42     40     39       Magnesium     ppm     ASTM D5185m     100     42     40     39       Magnesium     ppm     ASTM D5185m     150     520     486     444       Calcium     ppm     ASTM D5185m     150     743     739       Zinc     ppm     ASTM D5185m     150     743     739       Silicon     ppm     ASTM D5185m     255     9 <th>Aluminum</th> <th>ppm</th> <th>ASTM D5185m</th> <th>&gt;25</th> <th>1</th> <th>&lt;1</th> <th>4</th>	Aluminum	ppm	ASTM D5185m	>25	1	<1	4
Tin     ppm     ASTM D5185m     >15     3     0     <1	Lead	ppm	ASTM D5185m	>40	6	0	<1
Vanadium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     limit/base     current     history1     history1       Boron     ppm     ASTM D5185m     250     23     43     27       Barium     ppm     ASTM D5185m     10     0     0     2       Molybdenum     ppm     ASTM D5185m     100     42     40     39       Manganese     ppm     ASTM D5185m     100     42     40     39       Magnesium     ppm     ASTM D5185m     100     42     40     39       Magnesium     ppm     ASTM D5185m     100     41     <1     <1       Magnesium     ppm     ASTM D5185m     3000     1860     1758     1694       Phosphorus     ppm     ASTM D5185m     1350     968     886     914       Sulfur     ppm     ASTM D5185m     >25	Copper	ppm	ASTM D5185m	>330	<u> </u>	225	▲ 585
Cadmium     ppm     ASTM D5185m     0     0     0       ADDITIVES     method     limit/base     current     history1     history1       Boron     ppm     ASTM D5185m     250     23     43     27       Barium     ppm     ASTM D5185m     10     0     0     2       Molybdenum     ppm     ASTM D5185m     100     42     40     39       Manganese     ppm     ASTM D5185m     100     42     40     39       Magnesium     ppm     ASTM D5185m     100     42     40     39       Magnesium     ppm     ASTM D5185m     100     42     40     39       Calcium     ppm     ASTM D5185m     450     520     486     444       Calcium     ppm     ASTM D5185m     3000     1860     1758     1694       Phosphorus     ppm     ASTM D5185m     1350     968     886     914       Sulfur     ppm     ASTM D5185m     215     9	Tin	ppm	ASTM D5185m	>15	3	0	<1
ADDITIVES     method     limit/base     current     history1     history1       Boron     ppm     ASTM D5185m     250     23     43     27       Barium     ppm     ASTM D5185m     10     0     0     2       Molybdenum     ppm     ASTM D5185m     100     42     40     39       Manganese     ppm     ASTM D5185m     100     42     40     39       Magnesium     ppm     ASTM D5185m     100     42     40     39       Magnesium     ppm     ASTM D5185m     100     42     40     39       Magnesium     ppm     ASTM D5185m     450     520     486     444       Calcium     ppm     ASTM D5185m     3000     1860     1758     1694       Phosphorus     ppm     ASTM D5185m     1350     968     886     914       Sulfur     ppm     ASTM D5185m     225     9     4     6       Sodium     ppm     ASTM D5185m     >158 <th>Vanadium</th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th>0</th> <th>0</th> <th>0</th>	Vanadium	ppm	ASTM D5185m		0	0	0
Boron     ppm     ASTM D5185m     250     23     43     27       Barium     ppm     ASTM D5185m     10     0     0     2       Molybdenum     ppm     ASTM D5185m     100     42     40     39       Manganese     ppm     ASTM D5185m     100     42     40     39       Magnesium     ppm     ASTM D5185m     100     42     40     39       Magnesium     ppm     ASTM D5185m     100     42     40     39       Magnesium     ppm     ASTM D5185m     100     41     <1	Cadmium	ppm	ASTM D5185m		0	0	0
Barium     ppm     ASTM D5185m     10     0     0     2       Molybdenum     ppm     ASTM D5185m     100     42     40     39       Manganese     ppm     ASTM D5185m     450     520     486     444       Calcium     ppm     ASTM D5185m     3000     1860     1758     1694       Phosphorus     ppm     ASTM D5185m     3000     2362     2956     2249       CONTAMINANTS     method     limit/base     current     history1     history1       Silicon     ppm     ASTM D5185m     >25     9     4     6       Sodium     ppm     ASTM D5185m	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum     ppm     ASTM D5185m     100     42     40     39       Manganese     ppm     ASTM D5185m     100     42     40     39       Magnesium     ppm     ASTM D5185m     450     520     486     444       Calcium     ppm     ASTM D5185m     3000     1860     1758     1694       Phosphorus     ppm     ASTM D5185m     3000     1860     1758     1694       Phosphorus     ppm     ASTM D5185m     3000     1860     1758     1694       Phosphorus     ppm     ASTM D5185m     150     763     743     739       Zinc     ppm     ASTM D5185m     1350     968     886     914       Sulfur     ppm     ASTM D5185m     4250     2362     2956     2249       CONTAMINANTS     method     limit/base     current     history1     history1       Silicon     ppm     ASTM D5185m     >20     <1     0     <1       Glycol     %     *AS	Boron	ppm	ASTM D5185m	250	23	43	27
Marganese     ppm     ASTM D5185m     <1	Barium	ppm	ASTM D5185m	10	0	0	2
Magnesium     ppm     ASTM D5185m     450     520     486     444       Calcium     ppm     ASTM D5185m     3000     1860     1758     1694       Phosphorus     ppm     ASTM D5185m     1150     763     743     739       Zinc     ppm     ASTM D5185m     1350     968     886     914       Sulfur     ppm     ASTM D5185m     4250     2362     2956     2249       CONTAMINANTS     method     limit/base     current     history1     history1       Silicon     ppm     ASTM D5185m     >25     9     4     6       Sodium     ppm     ASTM D5185m     >158     12     2     3       Potassium     ppm     ASTM D2982     NEG     NEG     NEG       INFRA-RED     method     limit/base     current     history1     history1       Soot %     %     *ASTM D7844     >3     1.4     0.5     1.2       Nitration     Abs/.mm     *ASTM D7624     >20	Molybdenum	ppm	ASTM D5185m	100	42	40	39
Column     ppm     ASTM D5185m     3000     1860     1758     1694       Phosphorus     ppm     ASTM D5185m     1150     763     743     739       Zinc     ppm     ASTM D5185m     1350     968     886     914       Sulfur     ppm     ASTM D5185m     4250     2362     2956     2249       CONTAMINANTS     method     limit/base     current     history1     history1       Silicon     ppm     ASTM D5185m     >25     9     4     6       Sodium     ppm     ASTM D5185m     >25     9     4     6       Sodium     ppm     ASTM D5185m     >20     <1     0     <1       Glycol     %     *ASTM D2982     NEG     NEG     NEG       INFRA-RED     method     limit/base     current     history1     history1       Soot %     %     *ASTM D7844     >3     1.4     0.5     1.2       Nitration     Abs/.mm     *ASTM D7624     >20     11.6	Manganese	ppm	ASTM D5185m		<1	<1	<1
Phosphorus     ppm     ASTM D5185m     1150     763     743     739       Zinc     ppm     ASTM D5185m     1350     968     886     914       Sulfur     ppm     ASTM D5185m     1350     968     886     914       Sulfur     ppm     ASTM D5185m     4250     2362     2956     2249       CONTAMINANTS     method     limit/base     current     history1     history1       Silicon     ppm     ASTM D5185m     >25     9     4     6       Sodium     ppm     ASTM D5185m     >158     12     2     3       Potassium     ppm     ASTM D2982      NEG     NEG     NEG       INFRA-RED     method     limit/base     current     history1     history1       Soot %     %     *ASTM D7844     >3     1.4     0.5     1.2       Nitration     Abs/.mm     *ASTM D7624     >20     11.6     7.2     11.1       Sulfation     Abs/.mm     *ASTM D745	Magnesium	ppm	ASTM D5185m	450	520	486	444
Zinc     ppm     ASTM D5185m     1350     968     886     914       Sulfur     ppm     ASTM D5185m     4250     2362     2956     2249       CONTAMINANTS     method     limit/base     current     history1     history1       Silicon     ppm     ASTM D5185m     >25     9     4     6       Sodium     ppm     ASTM D5185m     >158     12     2     3       Potassium     ppm     ASTM D5185m     >20     <1     0     <1       Glycol     %     *ASTM D2982     NEG     NEG     NEG       INFRA-RED     method     limit/base     current     history1     history1       Soot %     %     *ASTM D7844     >3     1.4     0.5     1.2       Nitration     Abs/m     *ASTM D7624     >20     11.6     7.2     11.1       Sulfation     Abs/.tmm< *ASTM D7415     >30     24.2     24.2     23.9	Calcium	ppm	ASTM D5185m	3000	1860	1758	
SulfurppmASTM D5185m4250236229562249CONTAMINANTSmethodlimit/basecurrenthistory1history1SiliconppmASTM D5185m>25946SodiumppmASTM D5185m>1581223PotassiumppmASTM D5185m>20<10<1Glycol%*ASTM D2982NEGNEGNEGINFRA-REDmethodlimit/basecurrenthistory1history1Soot %%*ASTM D7844>31.40.51.2NitrationAbs/cm*ASTM D7844>3024.224.223.9FLUID DEGRADATIONmethodlimit/basecurrenthistory1history1	Phosphorus	ppm		1150	763	743	
CONTAMINANTSmethodlimit/basecurrenthistory1history1SiliconppmASTM D5185m>25946SodiumppmASTM D5185m>1581223PotassiumppmASTM D5185m>20<10<1Glycol%*ASTM D2982NEGNEGNEGINFRA-REDmethodlimit/basecurrenthistory1history1Soot %%*ASTM D7844>31.40.51.2NitrationAbs/cm*ASTM D7624>2011.67.211.1SulfationAbs/.1mm*ASTM D7415>3024.224.223.9FLUID DEGRADATIONmethodlimit/basecurrenthistory1history1	Zinc	ppm	ASTM D5185m	1350	968	886	914
Silicon     ppm     ASTM D5185m     >25     9     4     6       Sodium     ppm     ASTM D5185m     >158     12     2     3       Potassium     ppm     ASTM D5185m     >20     <1     0     <1       Glycol     %     *ASTM D2982     NEG     NEG     NEG       INFRA-RED     method     limit/base     current     history1     history1       Soot %     %     *ASTM D7844     >3     1.4     0.5     1.2       Nitration     Abs/cm     *ASTM D7624     >20     11.6     7.2     11.1       Sulfation     Abs/.1mm     *ASTM D7415     >30     24.2     24.2     23.9       FLUID DEGRADATION     method     limit/base     current     history1     history1	Sulfur	ppm	ASTM D5185m	4250	2362	2956	2249
Sodium     ppm     ASTM D5185m     >158     12     2     3       Potassium     ppm     ASTM D5185m     >20     <1     0     <1       Glycol     %     *ASTM D2982     NEG     NEG     NEG       INFRA-RED     method     limit/base     current     history1     history1       Soot %     %     *ASTM D7844     >3     1.4     0.5     1.2       Nitration     Abs/cm     *ASTM D7624     >20     11.6     7.2     11.1       Sulfation     Abs/.imm     *ASTM D7415     >30     24.2     24.2     23.9       FLUID DEGRADATION     method     limit/base     current     history1     history1	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium     ppm     ASTM D5185m     >20     <1	Silicon	ppm	ASTM D5185m	>25	-	4	
Glycol%*ASTM D2982NEGNEGINFRA-REDmethodlimit/basecurrenthistory1history1Soot %%*ASTM D7844>31.40.51.2NitrationAbs/cm*ASTM D7624>2011.67.211.1SulfationAbs/.1mm*ASTM D7415>3024.224.223.9FLUID DEGRADATIONmethodlimit/basecurrenthistory1history1	Sodium	ppm	ASTM D5185m	>158	12	2	3
INFRA-REDmethodlimit/basecurrenthistory1history1Soot %%*ASTM D7844>31.40.51.2NitrationAbs/cm*ASTM D7624>2011.67.211.1SulfationAbs/.1mm*ASTM D7415>3024.224.223.9FLUID DEGRADATIONmethodlimit/basecurrenthistory1history1		ppm		>20			
Soot %     %     *ASTM D7844     >3     1.4     0.5     1.2       Nitration     Abs/cm     *ASTM D7624     >20     11.6     7.2     11.1       Sulfation     Abs/.1mm     *ASTM D7415     >30     24.2     24.2     23.9       FLUID DEGRADATION     method     limit/base     current     history1     history1	Glycol	%	*ASTM D2982		NEG	NEG	NEG
Nitration     Abs/cm     *ASTM D7624     >20     11.6     7.2     11.1       Sulfation     Abs/.1mm     *ASTM D7415     >30     24.2     24.2     23.9       FLUID DEGRADATION     method     limit/base     current     history1     history1	INFRA-RED		method	limit/base	current	history1	history2
Sulfation     Abs/.1mm     *ASTM D7415     >30     24.2     24.2     23.9       FLUID DEGRADATION     method     limit/base     current     history1     history1	Soot %	%	*ASTM D7844	>3	1.4	0.5	1.2
FLUID DEGRADATION method limit/base current history1 history	Nitration	Abs/cm	*ASTM D7624	>20	11.6	7.2	11.1
	Sulfation	Abs/.1mm	*ASTM D7415	>30	24.2	24.2	23.9
Oxidation Abs/1mm *ASTM D7414 >25 22.8 20.6 20.4	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	22.8	20.6	20.4
Base Number (BN)     mg KOH/g     ASTM D2896     8.5     9.0     11.0     11.6	Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.0	11.0	11.6



# **OIL ANALYSIS REPORT**



Submitted By: LOUIS BRESHEARS