

## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id **100178** Component **Diesel Engine** Fluid **PETRO CANADA DURON SHP 10W30 (--- GAL)** 

## DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

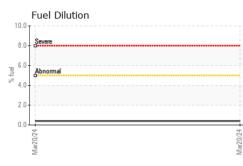
## Fluid Condition

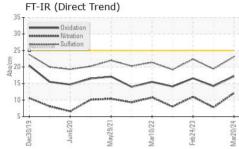
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

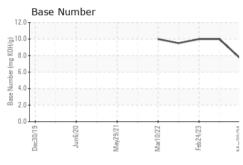
Sample Date     Client Info     20 Mar 2024     17 May 2023     24 Feb 2023       Machine Age     mis     Client Info     112151     69558     86704       Dil Age     mis     Client Info     11767     2854     8636       Dil Changed     Client Info     Changed     Changed     Changed     Changed       Sample Status     method     limit/base     current     history1     history2       Water     WC Method     >0.2     NEG     NEG     NEG       WEAR METALS     method     limit/base     current     history1     history2       Vickel     ppm     ASTM D5185m     >40     0     17     39       Chromium     ppm     ASTM D5185m     >40     1     0     1       Tianium     ppm     ASTM D5185m     >40     1     5     1     2     1       Auminum     ppm     ASTM D5185m     >30     2     3     4     1     1     1     1     1     1     1     1	SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Machine Age     mis     Client Info     112151     89558     86704       Di Age     mis     Client Info     11767     2854     8636       Di I Changed     Client Info     11767     2854     8636       Di I Changed     Client Info     11767     2854     8636       Sample Status     NORMAL     NORMAL     NORMAL     NORMAL       CONTAMINATION     method     Imit/base     current     History1     History2       Water     WC Method     >0.2     NEG     NEG     NEG       WEAR METALS     method     Imit/base     current     History1     History2       from     ppm     ASTM 05185m     >4     0     1     0       Nickel     ppm     ASTM 05185m     >4     0     1     5     4       Lead     ppm     ASTM 05185m     >20     3     4     1     1     1     1     1     1     1     1     1     1     1     1     1     2     <	Sample Number		Client Info		PCA0110675	PCA0083815	PCA0083896
Dil AgemisClient Info1176728548636Dil ChangedClient InfoChangedChangedChangedChangedSample StatusImitibasecurrenthistory1history2WaterWC Method>0.2NEGNEGNEGBiycolWC Method>0.2NEGNEGNEGWetherWC Method>0.2NEGNEGNEGBiycolWC Method>0.2NEGNEGNEGWEAR METALSmethodimit/basecurrenthistory1history2fronppmASTM D5185m>100401739ChromiumppmASTM D5185m>20<12<1NickelppmASTM D5185m>3010AttinumppmASTM D5185m>3010AttinumppmASTM D5185m>15<12<1CopperppmASTM D5185m>15<12<1CopperppmASTM D5185m001616BariumppmASTM D5185m018016BariumppmASTM D5185m50214745MagnesiumppmASTM D5185m018016BariumppmASTM D5185m50214745MagnesiumppmASTM D5185m12121616MolybdenumppmASTM D5185m<	Sample Date		Client Info		20 Mar 2024	17 May 2023	24 Feb 2023
Chi ChangedClient InfoChanged NORMALChanged NORMALChanged NORMALSample StatusImit/basecurrentNoRMALNORMALCONTAMINATIONmethodlimit/basecurrenthistory1history2WaterWC Method>0.2NEGNEGNEGWaterWC MethodNEGNEGNEGNEGWEAR METALSmethodlimit/basecurrenthistory1history2IronppmASTM D5185m>100401739ChornmiumppmASTM D5185m>20<12<1NickelppmASTM D5185m>20354SilverppmASTM D5185m>30234CopperppmASTM D5185m>30234CadmiumppmASTM D5185m>15<12<1ParadiumppmASTM D5185m2432016BariumppmASTM D5185m00180MolybodenumppmASTM D5185m0214745MagnesiumppmASTM D5185m950557784787CaleiumppmASTM D5185m950557784787CaleiumppmASTM D5185m20433449Contamine ppmASTM D5185m950557784787SalitonppmASTM D5185m95055778478	Machine Age	mls	Client Info		112151	89558	86704
Sample Status     NORMAL     NORMAL     NORMAL     NORMAL     NORMAL       CONTAMINATION     method     limit/base     current     history1     history2       Water     WC Method     >0.2     NEG     NEG     NEG       Blycol     WC Method     >0.2     NEG     NEG     NEG       WEAR METALS     method     limi/base     current     history1     history2       Iron     ppm     ASTM 05185m     >20     <1     2     <1       Nickel     ppm     ASTM 05185m     >20     <1     0     1     0       Rikel     ppm     ASTM 05185m     >20     3     5     <4     1     2     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1	Oil Age	mls	Client Info		11767	2854	8636
CONTAMINATION     method     limit/base     current     history1     history2       Water     WC Method     >0.2     NEG     NEG     NEG       Glycol     WC Method     NEG     NEG     NEG       WEAR METALS     method     limit/base     current     history1     history2       fron     ppm     ASTM D5185m     >100     40     17     39       Chromium     ppm     ASTM D5185m     >20     <1     2     <1       Nickel     ppm     ASTM D5185m     >4     0     1     0       Nickel     ppm     ASTM D5185m     >20     3     5     4       Lead     ppm     ASTM D5185m     >30     1     0       Aluminum     ppm     ASTM D5185m     >15     1     2     <1       Copper     ppm     ASTM D5185m     >6     1     <1     <1       Cadmium     ppm     ASTM D5185m     0     21     47     45       Manadause	Oil Changed		Client Info		Changed	Changed	Changed
Water     WC Method     >0.2     NEG     NEG     NEG       Glycol     WC Method     Imit/base     current     history1     history2       VEAR METALS     method     Imit/base     current     history1     history2       tron     ppm     ASTM D5185m     >100     40     17     39       Chromium     ppm     ASTM D5185m     >20     <1     2     <1       Nickel     ppm     ASTM D5185m     >3     0     1     0       Aluminum     ppm     ASTM D5185m     >30     1     0     1       Copper     ppm     ASTM D5185m     >20     3     5     4       Lead     ppm     ASTM D5185m     >30     2     3     4       Copper     ppm     ASTM D5185m     >30     2     1     1     <1       Cadmium     ppm     ASTM D5185m     0     2     0     0     16       Barium     ppm     ASTM D5185m     0     21	Sample Status				NORMAL	NORMAL	NORMAL
Glycol     WC Method     NEG     NEG     NEG       WEAR METALS     method     imit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >100     40     17     39       Chromium     ppm     ASTM D5185m     >20     <1     2     <1       Nickel     ppm     ASTM D5185m     >20     <1     2     <1       Nickel     ppm     ASTM D5185m     >20     <1     2     <1       Aluminum     ppm     ASTM D5185m     >3     0     1     0       Aluminum     ppm     ASTM D5185m     >40     1     5     <1       Copper     ppm     ASTM D5185m     >15     <1     2     <1       Vanadium     ppm     ASTM D5185m     0     2     0     0       ADDITIVES     method     imit/base     current     history1     history2       Baron     ppm     ASTM D5185m     0     21     43     20     1 <th>CONTAMINAT</th> <th>ION</th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	CONTAMINAT	ION	method	limit/base	current	history1	history2
WEAR METALS     method     limit/base     current     history1     history2       iron     ppm     ASTM D5185m     >20     -1     2     -1       Nickel     ppm     ASTM D5185m     >20     -1     2     -1       Nickel     ppm     ASTM D5185m     >20     -1     2     -1       Nickel     ppm     ASTM D5185m     >20     3     5     4       Lead     ppm     ASTM D5185m     >20     3     5     -1       Copper     ppm     ASTM D5185m     >20     3     5     -1       Copper     ppm     ASTM D5185m     >30     2     3     4       Cadmium     ppm     ASTM D5185m     0     2     0     0       ADDITVES     method     limit/base     current     history1     history2       Barium     ppm     ASTM D5185m     0     -1     1     -1       Barium     ppm     ASTM D5185m     0     -1     2 <t< th=""><th>Water</th><th></th><th>WC Method</th><th>&gt;0.2</th><th>NEG</th><th>NEG</th><th>NEG</th></t<>	Water		WC Method	>0.2	NEG	NEG	NEG
ron     ppm     ASTM D5185m     >100     40     17     39       Chromium     ppm     ASTM D5185m     >20     <1     2     <1       Nickel     ppm     ASTM D5185m     >4     0     1     0       Silver     ppm     ASTM D5185m     >3     0     1     0       Aluminum     ppm     ASTM D5185m     >3     0     1     0       Aluminum     ppm     ASTM D5185m     >3     0     1     0       Aluminum     ppm     ASTM D5185m     >3     0     1     0     4       Lead     ppm     ASTM D5185m     >15     <1     2     <1     1       Copper     ppm     ASTM D5185m     >15     <1     1     <1     1     <1     1     <1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1 <td< th=""><th>Glycol</th><th></th><th>WC Method</th><th></th><th>NEG</th><th>NEG</th><th>NEG</th></td<>	Glycol		WC Method		NEG	NEG	NEG
Chromium     ppm     ASTM D5185m     >20     <1	WEAR METAL	S	method	limit/base	current	history1	history2
Chromium     ppm     ASTM D5185m     >20     <1	Iron	ppm	ASTM D5185m	>100	40	17	39
Titanium     ppm     ASTM D5185m     55     15     27       Silver     ppm     ASTM D5185m     >3     0     1     0       Aluminum     ppm     ASTM D5185m     >20     3     5     4       Lead     ppm     ASTM D5185m     >40     1     5     <1       Copper     ppm     ASTM D5185m     >330     2     3     4       Tin     ppm     ASTM D5185m     >40     1     <1     <1       Vanadium     ppm     ASTM D5185m     <1     2     <1     <1       Cadmium     ppm     ASTM D5185m     0     2     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     18     0       Molybdenum     ppm     ASTM D5185m     0     <1     2     1       Magnesium     ppm     ASTM D5185m     950     557     784     787	Chromium		ASTM D5185m	>20	<1	2	<1
Silver     ppm     ASTM D5185m     >3     0     1     0       Aluminum     ppm     ASTM D5185m     >20     3     5     4       Lead     ppm     ASTM D5185m     >40     1     5     <1	Nickel	ppm	ASTM D5185m	>4	0	1	0
Auminum     ppm     ASTM D5185m     >20     3     5     4       Lead     ppm     ASTM D5185m     >40     1     5     <1       Copper     ppm     ASTM D5185m     >330     2     3     4       Tin     ppm     ASTM D5185m     >15     <1     2     <1       Vanadium     ppm     ASTM D5185m      0     2     0       Vanadium     ppm     ASTM D5185m      0     2     0       ADDITIVES     method     imit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     18     0       Malgaesium     ppm     ASTM D5185m     0     21     47     45       Magnesium     ppm     ASTM D5185m     0     557     784     787       Calcium     ppm     ASTM D5185m     950     557     784     787       Calcium     ppm     ASTM D5185m     950     1004     927 <th>Titanium</th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th>55</th> <th>15</th> <th>27</th>	Titanium	ppm	ASTM D5185m		55	15	27
Lead     ppm     ASTM D5185m     >40     1     5     <1	Silver	ppm	ASTM D5185m	>3	0	1	0
Copper     ppm     ASTM D5185m     >330     2     3     4       Tin     ppm     ASTM D5185m     >15     <1     2     <1       Vanadium     ppm     ASTM D5185m     0     2     0       Acdmium     ppm     ASTM D5185m     0     2     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     2     43     20     16       Barium     ppm     ASTM D5185m     0     0     18     0       Molybdenum     ppm     ASTM D5185m     0     <1     2     1       Maganese     ppm     ASTM D5185m     0.0     <1     2     1       Maganesium     ppm     ASTM D5185m     1050     1737     1082     1381       Phosphorus     ppm     ASTM D5185m     955     1004     927     973       Sulfur     ppm     ASTM D5185m     220     4355     3465     3449 <th>Aluminum</th> <th>ppm</th> <th>ASTM D5185m</th> <th>&gt;20</th> <th>3</th> <th>5</th> <th>4</th>	Aluminum	ppm	ASTM D5185m	>20	3	5	4
Tin     ppm     ASTM D5185m     >15     <1	Lead	ppm	ASTM D5185m	>40	1	5	<1
Vanadium     ppm     ASTM D5185m     <1	Copper	ppm	ASTM D5185m	>330	2	3	4
Cadmium     ppm     ASTM D5185m     0     2     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     2     43     20     16       Barium     ppm     ASTM D5185m     0     0     18     0       Molybdenum     ppm     ASTM D5185m     0     21     47     45       Manganese     ppm     ASTM D5185m     50     21     47     45       Manganese     ppm     ASTM D5185m     0     <1	Tin	ppm	ASTM D5185m	>15	<1	2	<1
ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     2     43     20     16       Barium     ppm     ASTM D5185m     0     0     18     0       Molybdenum     ppm     ASTM D5185m     50     21     47     45       Manganese     ppm     ASTM D5185m     0     <1     2     1       Magnesium     ppm     ASTM D5185m     0     <1     2     1       Calcium     ppm     ASTM D5185m     950     557     784     787       Calcium     ppm     ASTM D5185m     950     1004     927     973       Zinc     ppm     ASTM D5185m     995     1004     927     973       Sulfur     ppm     ASTM D5185m     2600     4355     3465     3449       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20	Vanadium	ppm	ASTM D5185m		<1	1	<1
Boron     ppm     ASTM D5185m     2     43     20     16       Barium     ppm     ASTM D5185m     0     0     18     0       Molybdenum     ppm     ASTM D5185m     50     21     47     45       Manganese     ppm     ASTM D5185m     0     <1     2     1       Magnesium     ppm     ASTM D5185m     950     557     784     787       Calcium     ppm     ASTM D5185m     1050     1737     1082     1381       Phosphorus     ppm     ASTM D5185m     995     1004     927     973       Zinc     ppm     ASTM D5185m     995     1004     927     973       Sulfur     ppm     ASTM D5185m     2600     4355     3465     3449       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     <1     7     3       Potassium     ppm     ASTM D5185m     >20	Cadmium	ppm	ASTM D5185m		0	2	0
Barium     ppm     ASTM D5185m     0     18     0       Molybdenum     ppm     ASTM D5185m     50     21     47     45       Manganese     ppm     ASTM D5185m     0     <1     2     1       Magnesium     ppm     ASTM D5185m     950     557     784     787       Calcium     ppm     ASTM D5185m     950     1737     1082     1381       Phosphorus     ppm     ASTM D5185m     955     1004     927     973       Zinc     ppm     ASTM D5185m     955     1004     927     973       Sulfur     ppm     ASTM D5185m     955     1004     927     973       Sulfur     ppm     ASTM D5185m     2600     4355     3465     3449       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     <1     7     3       Potassium     ppm     ASTM D5185m     >20	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum     ppm     ASTM D5185m     50     21     47     45       Magnese     ppm     ASTM D5185m     0     <1     2     1       Magnesium     ppm     ASTM D5185m     950     557     784     787       Calcium     ppm     ASTM D5185m     1050     1737     1082     1381       Phosphorus     ppm     ASTM D5185m     1050     1737     1082     1381       Phosphorus     ppm     ASTM D5185m     995     1004     927     973       Zinc     ppm     ASTM D5185m     995     1004     927     973       Sulfur     ppm     ASTM D5185m     2600     4355     3465     3449       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     <1     7     3       Potassium     ppm     ASTM D5185m     >20     <1     7     3       Fuel     %     ASTM D5185m	Boron	ppm	ASTM D5185m	2	43	20	16
Maganese     ppm     ASTM D5185m     0     <1	Barium	ppm	ASTM D5185m	0	0	18	0
Magnesium     ppm     ASTM D5185m     950     557     784     787       Calcium     ppm     ASTM D5185m     1050     1737     1082     1381       Phosphorus     ppm     ASTM D5185m     995     1004     927     973       Zinc     ppm     ASTM D5185m     995     1004     927     973       Sulfur     ppm     ASTM D5185m     1180     1217     1113     1275       Sulfur     ppm     ASTM D5185m     2600     4355     3465     3449       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     6     6     6       Sodium     ppm     ASTM D5185m     >20     <1     7     3       Potassium     ppm     ASTM D5185m     >20     <1     7     3       Fuel     %     ASTM D7844     >3     1.8     0.8     1.7       Nitration     Abs/m     *ASTM D7624	Molybdenum	ppm	ASTM D5185m	50	21	47	
Calcium     ppm     ASTM D5185m     1050     1737     1082     1381       Phosphorus     ppm     ASTM D5185m     995     1004     927     973       Zinc     ppm     ASTM D5185m     995     1004     927     973       Zinc     ppm     ASTM D5185m     1180     1217     1113     1275       Sulfur     ppm     ASTM D5185m     2600     4355     3465     3449       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     6     6     6       Sodium     ppm     ASTM D5185m     >20     <1     7     3       Potassium     ppm     ASTM D5185m     >20     <1     7     3       Fuel     %     ASTM D5185m     >20     <1							
Phosphorus     ppm     ASTM D5185m     995     1004     927     973       Zinc     ppm     ASTM D5185m     1180     1217     1113     1275       Sulfur     ppm     ASTM D5185m     2600     4355     3465     3449       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     6     6     6       Sodium     ppm     ASTM D5185m     >25     6     6     6       Sodium     ppm     ASTM D5185m     >20     <1     7     3       Potassium     ppm     ASTM D3524     >5     0.4     <1.0     <1.0       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     1.8     0.8     1.7       Nitration     Abs/mm     *ASTM D7624     >20     12.1     7.8     11.0       Sulfation     Abs/imm     *ASTM D7415	Magnesium	ppm					
Zinc     ppm     ASTM D5185m     1180     1217     1113     1275       Sulfur     ppm     ASTM D5185m     2600     4355     3465     3449       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     6     6     6       Sodium     ppm     ASTM D5185m     >25     6     6     6       Sodium     ppm     ASTM D5185m     >20     <1     7     3       Potassium     ppm     ASTM D5185m     >20     <1     7     3       Fuel     %     ASTM D5324     >5     0.4     <1.0     <1.0       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     1.8     0.8     1.7       Nitration     Abs/cm     *ASTM D7415     >30     23.1     19.4     22.4       FLUID DEGRADATION     method     limit/base		ppm					
Sulfur     ppm     ASTM D5185m     2600     4355     3465     3449       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     6     6     6       Sodium     ppm     ASTM D5185m     >25     6     6     6       Sodium     ppm     ASTM D5185m     >20     <1							
CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m<>25     6     6     6     6       Sodium     ppm     ASTM D5185m     >25     6     6     6       Sodium     ppm     ASTM D5185m     20     <1     7     3       Potassium     ppm     ASTM D5185m     >20     <1     7     3       Fuel     %     ASTM D5185m     >20     <1     7     3       Fuel     %     ASTM D5185m     >20     <1     7     3       Soot %     %     ASTM D7844     >3     1.8     0.8     1.7       Nitration     Abs/cm     *ASTM D7624     >20     12.1     7.8     11.0       Sulfation     Abs/.1mm     *ASTM D7415     >30     23.1     19.4     22.4       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25 <th></th> <th>ppm</th> <th></th> <th></th> <th></th> <th></th> <th></th>		ppm					
Silicon     ppm     ASTM D5185m     >25     6     6     6       Sodium     ppm     ASTM D5185m     3     4     3       Potassium     ppm     ASTM D5185m     >20     <1     7     3       Fuel     %     ASTM D5185m     >20     <1     7     3       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     1.8     0.8     1.7       Nitration     Abs/cm     *ASTM D7624     >20     12.1     7.8     11.0       Sulfation     Abs/.1mm     *ASTM D7415     >30     23.1     19.4     22.4       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     17.2     14.2     16.6			ASTM D5185m	2600	4355	3465	3449
Sodium     ppm     ASTM D5185m     3     4     3       Potassium     ppm     ASTM D5185m<>20     <1     7     3       Fuel     %     ASTM D5185m<>20     <1     7     3       Fuel     %     ASTM D5185m<>20     <1     7     3       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844<>3     1.8     0.8     1.7       Nitration     Abs/cm     *ASTM D7624<>20     12.1     7.8     11.0       Sulfation     Abs/.1mm     *ASTM D7415<>30     23.1     19.4     22.4       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414<>25     17.2     14.2     16.6		TS					
Potassium     ppm     ASTM D5185m     >20     <1	Silicon	ppm		>25			
Fuel     %     ASTM D3524     >5     0.4     <1.0	Sodium						
INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     1.8     0.8     1.7       Nitration     Abs/cm     *ASTM D7624     >20     12.1     7.8     11.0       Sulfation     Abs/.1mm     *ASTM D7415     >30     23.1     19.4     22.4       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     17.2     14.2     16.6							
Soot %     %     *ASTM D7844     >3     1.8     0.8     1.7       Nitration     Abs/cm     *ASTM D7624     >20     12.1     7.8     11.0       Sulfation     Abs/.1mm     *ASTM D7415     >30     23.1     19.4     22.4       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     17.2     14.2     16.6	Fuel	%	ASTM D3524	>5	0.4	<1.0	<1.0
Nitration     Abs/cm     *ASTM D7624     >20     12.1     7.8     11.0       Sulfation     Abs/.1mm     *ASTM D7615     >30     23.1     19.4     22.4       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     17.2     14.2     16.6				limit/base			
Sulfation     Abs/.1mm     *ASTM D7415     >30     23.1     19.4     22.4       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     17.2     14.2     16.6	Soot %						
FLUID DEGRADATION method limit/base current history1 history2   Oxidation Abs/.1mm *ASTM D7414 >25 17.2 14.2 16.6	Nitration						
Oxidation     Abs/.1mm     *ASTM D7414     >25     17.2     14.2     16.6	Sulfation	Abs/.1mm	*ASTM D7415	>30	23.1	19.4	22.4
	FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Base Number (BN)     mg KOH/g     ASTM D2896     7.7     10.0     10.0	Oxidation	Abs/.1mm	*ASTM D7414	>25	17.2	14.2	
	Base Number (BN)	mg KOH/g	ASTM D2896		7.7	10.0	10.0

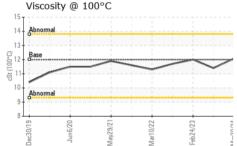


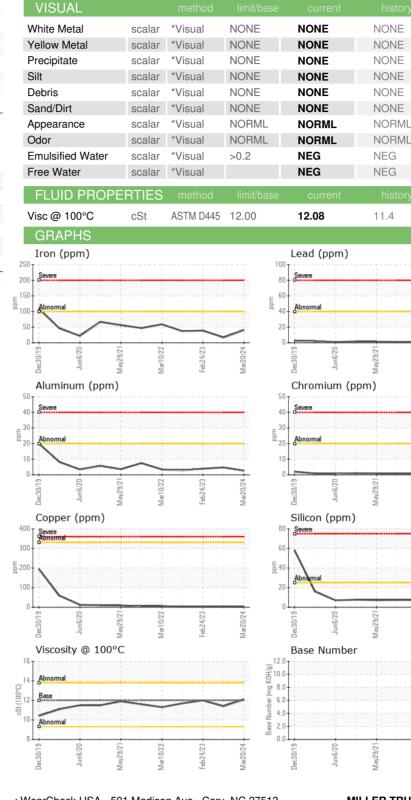
# **OIL ANALYSIS REPORT**

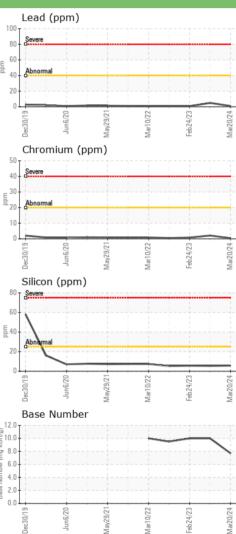












NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

12.0

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **MILLER TRUCK LEASING #123** Sample No. : PCA0110675 Received : 08 Apr 2024 66 KELLER AVENUE Lab Number : 06140816 Tested LANCASTER, PA : 15 Apr 2024 Unique Number : 10965624 Diagnosed : 15 Apr 2024 - Jonathan Hester US 17601 Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel, TBN) Contact: RON ROBERTS Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. rroberts@millertransgroup.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (717)945-6205 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (717)945-5818

Report Id: MILLAN [WUSCAR] 06140816 (Generated: 04/15/2024 09:48:25) Rev: 1

Contact/Location: RON ROBERTS - MILLAN

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