

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend



# Machine Id 811041-101310

### Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- G

#### 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.

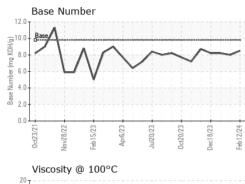
#### Fluid Condition

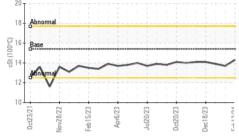
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

	iAL)		et2021 Nov	2022 Feb2023 Apr202	23 Jui2023 Oct2023 Dec2	023 Feb202	
Sample Date     Client Info     12 Feb 2024     23 Jan 2024     05 Jan 2024       Machine Age     hrs     Client Info     5014     4859     4794       Oil Age     hrs     Client Info     155     65     148       Oil Changed     Client Info     Changed     Change	SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Machine Age     hrs     Client Info     5014     4859     4794       Oil Age     hrs     Client Info     155     65     148       Oil Changed     Client Info     155     65     148       Oil Changed     Client Info     155     65     148       Sample Status     Imit/base     current     History1     History2       Fuel     WC Method     >5     <1.0     <1.0     <1.0       Water     WC Method     >0.2     NEG     NEG     NEG       Ottom     ppm     ASTM 05185m     >100     2     11     10       Ottomium     ppm     ASTM 05185m     >20     21     <1     <1       Nickel     ppm     ASTM 05185m     >20     2     2     2       Silver     ppm     ASTM 05185m     >20     0     0     0       Oppper     ppm     ASTM 05185m     >330     0     <1     0       Vanadium     ppm     ASTM 05185m     0     0 <th>Sample Number</th> <th></th> <th>Client Info</th> <th></th> <th>GFL0110874</th> <th>GFL0110900</th> <th>GFL0090975</th>	Sample Number		Client Info		GFL0110874	GFL0110900	GFL0090975
Oil Age     hrs     Client Info     155     65     148       Oil Changed     Client Info     Changed     Changed </th <th>Sample Date</th> <th></th> <th>Client Info</th> <th></th> <th>12 Feb 2024</th> <th>23 Jan 2024</th> <th>05 Jan 2024</th>	Sample Date		Client Info		12 Feb 2024	23 Jan 2024	05 Jan 2024
Oil Changed     Client Info     Changed     Changed     Changed     Changed     NORMAL     NORMAL       Sample Status     Imethod     Imit/base     current     history1     history2       Fuel     WC Method     >5.     <1.0     <1.0     <1.0       Water     WC Method     >0.2     NEG     NEG     NEG       Glycol     WC Method     >0.2     NEG     NEG     NEG       WEAR METALS     method     Imit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >100     2     11     10       Chromium     ppm     ASTM D5185m     >20     <1     <1     1       Titanium     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >30     0     <1     <1     1       Titanium     ppm     ASTM D5185m     >30     0     <1     <1     <1       Titanium     ppm     ASTM D5185m	Machine Age	hrs	Client Info		5014	4859	4794
Sample Status     NORMAL     NORMAL     NORMAL     NORMAL     NORMAL       CONTAMINATION     method     limit/base     current     history1     history2       Fuel     WC Method     >5     <1.0     <1.0     <1.0       Water     WC Method     >0.2     NEG     NEG     NEG       Wear     WC Method     >0.2     NEG     NEG     NEG       Othornium     ppm     ASTM D5185m     >100     2     11     10       Chromium     ppm     ASTM D5185m     >20     <1     <1     <1     <1       Nickel     ppm     ASTM D5185m     >20     <2     2 </th <th>Oil Age</th> <th>hrs</th> <th>Client Info</th> <th></th> <th>155</th> <th>65</th> <th>148</th>	Oil Age	hrs	Client Info		155	65	148
CONTAMINATION     method     limit/base     current     history1     history2       Fuel     WC Method     >5     <1.0     <1.0     <1.0       Water     WC Method     >0.2     NEG     NEG     NEG       Glycol     WC Method     NEG     NEG     NEG     NEG       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >100     2     11     10       Chromium     ppm     ASTM D5185m     >20     <1     <1     <1       Nickel     ppm     ASTM D5185m     >4     0     0     0       Silver     ppm     ASTM D5185m     >20     2     2     2       Lead     ppm     ASTM D5185m     >30     0     <1     0       Copper     ppm     ASTM D5185m     0     <1     0     0       Copper     ppm     ASTM D5185m     0     0     0     0       Copper<	Oil Changed		Client Info		Changed	Changed	Changed
Fuel     WC Method     >5     <1.0	Sample Status				NORMAL	NORMAL	NORMAL
Water     WC Method     >0.2     NEG     NEG     NEG     NEG       Glycol     WC Method     Imit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >100     2     11     10       Chromium     ppm     ASTM D5185m     >20     <1     <1     <1       Nickel     ppm     ASTM D5185m     >4     0     0     0       Silver     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >3     0     0     0       Aluminum     ppm     ASTM D5185m     >30     0     <1     0       Copper     ppm     ASTM D5185m     >30     0     <1     0       Vanadium     ppm     ASTM D5185m     0     <1     0     0       Adamium     ppm     ASTM D5185m     0     8     3     <1       Barium     ppm     ASTM D5185m     0     55     53	CONTAMINAT	ION	method	limit/base	current	history1	history2
Glycol     WC Method     NEG     NEG     NEG       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >100     2     11     10       Chromium     ppm     ASTM D5185m     >20     <1     <1     <1       Nickel     ppm     ASTM D5185m     >20     <1     <1     <1       Nickel     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >20     2     2     2       Lead     ppm     ASTM D5185m     >20     2     2     2       Vanadium     ppm     ASTM D5185m     >15     0     <1     <1       Vanadium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     8     3     <1       Barium     ppm     ASTM D5185m     0     55     53     59	Fuel		WC Method	>5	<1.0	<1.0	<1.0
WEAR METALS     method     limit/base     current     history1     history2       iron     ppm     ASTM D5185m     >100     2     11     10       Chromium     ppm     ASTM D5185m     >20     <1	Water		WC Method	>0.2	NEG	NEG	NEG
ron     ppm     ASTM D5185m     >100     2     11     10       Chromium     ppm     ASTM D5185m     >20     <1     <1     <1       Nickel     ppm     ASTM D5185m     >4     0     0     0       Silver     ppm     ASTM D5185m     >3     0     0     0       Astm D5185m     >3     0     0     0     0       Astm D5185m     >20     2     2     2     2       Lead     ppm     ASTM D5185m     >30     0     <11     0       Copper     ppm     ASTM D5185m     >330     0     <11     0       Vanadium     ppm     ASTM D5185m     >15     0     <11     0       ADDTTVES     method     Imit/base     current     history1     history2       Barium     ppm     ASTM D5185m     0     5     53     5     9       Maganese     ppm     ASTM D5185m     1010     882     960     99 <tr< td=""><th>Glycol</th><td></td><td>WC Method</td><td></td><th>NEG</th><td>NEG</td><td>NEG</td></tr<>	Glycol		WC Method		NEG	NEG	NEG
Chromium     ppm     ASTM D5185m     >20     <1     <1     <1       Nickel     ppm     ASTM D5185m     >4     0     0     0       Silver     ppm     ASTM D5185m     >3     0     0     0       Aluminum     ppm     ASTM D5185m     >3     0     0     0       Lead     ppm     ASTM D5185m     >20     2     2     2       Lead     ppm     ASTM D5185m     >20     0     <1	WEAR METAL	S	method	limit/base	current	history1	history2
Nickel     ppm     ASTM D5185m     >4     0     0     0       Titanium     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >3     0     0     0       Aluminum     ppm     ASTM D5185m     >20     2     2     2       Lead     ppm     ASTM D5185m     >20     2     2     2       Copper     ppm     ASTM D5185m     >330     0     <1	ron	ppm	ASTM D5185m	>100	2	11	10
Titanium     ppm     ASTM D5185m     0     0     0       Silver     ppm     ASTM D5185m     >3     0     0     0       Aluminum     ppm     ASTM D5185m     >20     2     2     2       ead     ppm     ASTM D5185m     >40     0     <1	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Silver     ppm     ASTM D5185m     >3     0     0     0       Aluminum     ppm     ASTM D5185m     >20     2     2     2       ead     ppm     ASTM D5185m     >40     0     <1     0       Copper     ppm     ASTM D5185m     >330     0     <1     0       Vanadium     ppm     ASTM D5185m     >15     0     <1     0       Vanadium     ppm     ASTM D5185m     >15     0     <1     0       Cadmium     ppm     ASTM D5185m     0     0     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Barium     ppm     ASTM D5185m     0     0     0     0     0       Algenesium     ppm     ASTM D5185m     0     <1     <1     0       Algenesium     ppm     ASTM D5185m     1010     882     960     990       Calcium     ppm     ASTM D5185m     1070 </td <th>Nickel</th> <td>ppm</td> <td>ASTM D5185m</td> <td>&gt;4</td> <th></th> <td></td> <td>0</td>	Nickel	ppm	ASTM D5185m	>4			0
Aluminum     ppm     ASTM D5185m     >20     2     2     2       Lead     ppm     ASTM D5185m     >40     0     <1	Titanium	ppm	ASTM D5185m		0		
Lead     ppm     ASTM D5185m     >40     0     <1     0       Copper     ppm     ASTM D5185m     >330     0     <1	Silver	ppm	ASTM D5185m	>3			
Copper     ppm     ASTM D5185m     >330     0     <1     <1       Tin     ppm     ASTM D5185m     >15     0     <1	Aluminum	ppm	ASTM D5185m	>20			
Tin     ppm     ASTM D5185m     >15     0     <1     0       Vanadium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     8     3     <1	_ead	ppm	ASTM D5185m	>40	0		
Vanadium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     8     3     <1	Copper	ppm	ASTM D5185m	>330	-		
Cadmium     ppm     ASTM D5185m     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     8     3     <1       Barium     ppm     ASTM D5185m     0     0     0     0     0       Maganese     ppm     ASTM D5185m     0     <1     <1     0       Magnesium     ppm     ASTM D5185m     0     <1     <1     0       Magnesium     ppm     ASTM D5185m     1010     882     960     996       Calcium     ppm     ASTM D5185m     1070     984     1065     1086       Phosphorus     ppm     ASTM D5185m     1270     1170     1283     1273       Sulfur     ppm     ASTM D5185m     2060     2912     3012     3441       CONTAMINANTS     method     imit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20		ppm		>15			
ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     8     3     <1		ppm					
Boron     ppm     ASTM D5185m     0     8     3     <1       Barium     ppm     ASTM D5185m     0     0     0     0     0       Molybdenum     ppm     ASTM D5185m     60     55     53     59       Manganese     ppm     ASTM D5185m     0     <1		ppm	ASTM D5185m		0	0	0
Barium     ppm     ASTM D5185m     0     0     0     0     0       Molybdenum     ppm     ASTM D5185m     60     55     53     59       Manganese     ppm     ASTM D5185m     0     <1     <1     0       Magnesium     ppm     ASTM D5185m     1010     882     960     996       Calcium     ppm     ASTM D5185m     1010     882     960     996       Calcium     ppm     ASTM D5185m     1070     984     1065     1086       Phosphorus     ppm     ASTM D5185m     1070     984     1065     1086       Phosphorus     ppm     ASTM D5185m     1270     1170     1283     1273       Sulfur     ppm     ASTM D5185m     2060     2912     3012     3441       CONTAMINANTS     method     limit/base     current     history1     history2       Solicon     ppm     ASTM D5185m     >20     2     3     3       Potassium     ppm	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum     ppm     ASTM D5185m     60     55     53     59       Manganese     ppm     ASTM D5185m     0     <1     <1     0       Magnesium     ppm     ASTM D5185m     1010     882     960     996       Calcium     ppm     ASTM D5185m     1070     984     1065     1086       Phosphorus     ppm     ASTM D5185m     1070     984     1065     1086       Phosphorus     ppm     ASTM D5185m     1070     984     1065     1086       Phosphorus     ppm     ASTM D5185m     1270     1170     1283     1273       Sulfur     ppm     ASTM D5185m     2060     2912     3012     3441       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     2     3     3       Potassium     ppm     ASTM D5185m     >20     2     2     3       Nitration     Abs/m<*ASTM D	Boron	ppm	ASTM D5185m	0	8	3	<1
Manganese     ppm     ASTM D5185m     0     <1     <1     0       Magnesium     ppm     ASTM D5185m     1010     882     960     996       Calcium     ppm     ASTM D5185m     1070     984     1065     1086       Phosphorus     ppm     ASTM D5185m     1150     999     990     1094       Zinc     ppm     ASTM D5185m     1270     1170     1283     1273       Sulfur     ppm     ASTM D5185m     2060     2912     3012     3441       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     4     5     5       Sodium     ppm     ASTM D5185m     >20     2     3     3       Potassium     ppm     ASTM D5185m     >20     2     3     3       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3	Barium	ppm	ASTM D5185m	0	0	0	0
Magnesium     ppm     ASTM D5185m     1010     882     960     996       Calcium     ppm     ASTM D5185m     1070     984     1065     1086       Phosphorus     ppm     ASTM D5185m     1150     999     990     1094       Zinc     ppm     ASTM D5185m     1270     1170     1283     1273       Sulfur     ppm     ASTM D5185m     2060     2912     3012     3441       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     4     5     5       Sodium     ppm     ASTM D5185m     >20     2     3     3       Potassium     ppm     ASTM D5185m     >20     2     3     3       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     0.1     0.4     0.3       Nitration     Abs/mm     *ASTM D7624	Molybdenum	ppm	ASTM D5185m	60	55	53	
Calcium     ppm     ASTM D5185m     1070     984     1065     1086       Phosphorus     ppm     ASTM D5185m     1150     999     990     1094       Zinc     ppm     ASTM D5185m     1270     1170     1283     1273       Sulfur     ppm     ASTM D5185m     2060     2912     3012     3441       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     4     5     5       Sodium     ppm     ASTM D5185m     >20     2     3     3       Potassium     ppm     ASTM D5185m     >20     2     2     3       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     0.1     0.4     0.3       Nitration     Abs/.1mm     *ASTM D7415     >30     18.5     20.2     19.7       FLUID DEGRADATION     method     limit/ba	Vanganese	ppm	ASTM D5185m	0	<1	<1	0
Phosphorus     ppm     ASTM D5185m     1150     999     990     1094       Zinc     ppm     ASTM D5185m     1270     1170     1283     1273       Sulfur     ppm     ASTM D5185m     2060     2912     3012     3441       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     4     5     5       Sodium     ppm     ASTM D5185m     >20     2     3     3       Potassium     ppm     ASTM D5185m     >20     2     3     3       Potassium     ppm     ASTM D5185m     >20     2     3     3       Potassium     ppm     ASTM D5185m     >20     2     3     3       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7624     >20     6.0     8.6     8.1       Sulfation     Abs/cm     *ASTM D7624     >20 <th>•</th> <td>ppm</td> <td>ASTM D5185m</td> <td>1010</td> <th></th> <td></td> <td></td>	•	ppm	ASTM D5185m	1010			
Zinc     ppm     ASTM D5185m     1270     1170     1283     1273       Sulfur     ppm     ASTM D5185m     2060     2912     3012     3441       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     4     5     5       Sodium     ppm     ASTM D5185m     >20     2     3     3       Potassium     ppm     ASTM D5185m     >20     2     2     3       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     0.1     0.4     0.3       Nitration     Abs/cm     *ASTM D7624     >20     6.0     8.6     8.1       Sulfation     Abs/.1mm     *ASTM D7415     >30     18.5     20.2     19.7       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414<		ppm					
SulfurppmASTM D5185m2060291230123441CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25455SodiumppmASTM D5185m>20233PotassiumppmASTM D5185m>20223INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D7844>30.10.40.3NitrationAbs/cm*ASTM D7624>206.08.68.1SulfationAbs/cm*ASTM D7415>3018.520.219.7FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2OxidationAbs/Imm*ASTM D7414>2514.416.916.4		ppm					
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25455SodiumppmASTM D5185m233PotassiumppmASTM D5185m>20223INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D7844>30.10.40.3NitrationAbs/cm*ASTM D7624>206.08.68.1SulfationAbs/1mm*ASTM D7415>3018.520.219.7FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2OxidationAbs/.1mm*ASTM D7414>2514.416.916.4							
Silicon     ppm     ASTM D5185m     >25     4     5     5       Sodium     ppm     ASTM D5185m     2     3     3       Potassium     ppm     ASTM D5185m     >20     2     2     3       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     0.1     0.4     0.3       Nitration     Abs/cm     *ASTM D7624     >20     6.0     8.6     8.1       Sulfation     Abs/cm     *ASTM D7624     >30     18.5     20.2     19.7       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     14.4     16.9     16.4			ASTM D5185m	2060	2912	3012	3441
Sodium     ppm     ASTM D5185m     2     3     3       Potassium     ppm     ASTM D5185m     >20     2     2     3       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     0.1     0.4     0.3       Nitration     Abs/cm     *ASTM D7624     >20     6.0     8.6     8.1       Sulfation     Abs/.1mm     *ASTM D7415     >30     18.5     20.2     19.7       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     14.4     16.9     16.4	CONTAMINAN	TS	method	limit/base	current	history1	
Potassium     ppm     ASTM D5185m     >20     2     2     3       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     0.1     0.4     0.3       Nitration     Abs/cm     *ASTM D7624     >20     6.0     8.6     8.1       Sulfation     Abs/.1mm     *ASTM D7415     >30     18.5     20.2     19.7       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     14.4     16.9     16.4	Silicon	ppm		>25			
INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     0.1     0.4     0.3       Nitration     Abs/cm     *ASTM D7624     >20     6.0     8.6     8.1       Sulfation     Abs/.1mm     *ASTM D7415     >30     18.5     20.2     19.7       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     14.4     16.9     16.4	Sodium	ppm	ASTM D5185m		2		
Soot %     %     *ASTM D7844     >3     0.1     0.4     0.3       Nitration     Abs/cm     *ASTM D7624     >20     6.0     8.6     8.1       Sulfation     Abs/.1mm     *ASTM D7415     >30     18.5     20.2     19.7       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     14.4     16.9     16.4	Potassium	ppm	ASTM D5185m	>20	2	2	3
Nitration     Abs/cm     *ASTM D7624     >20     6.0     8.6     8.1       Sulfation     Abs/.1mm     *ASTM D7415     >30     18.5     20.2     19.7       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     14.4     16.9     16.4	INFRA-RED		method	limit/base	current	history1	history2
Sulfation     Abs/.1mm     *ASTM D7415     >30     18.5     20.2     19.7       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     14.4     16.9     16.4	Soot %	%	*ASTM D7844	>3	0.1	0.4	0.3
FLUID DEGRADATION   method   limit/base   current   history1   history2     Oxidation   Abs/.1mm   *ASTM D7414   >25   14.4   16.9   16.4	Nitration	Abs/cm	*ASTM D7624	>20	6.0	8.6	8.1
Oxidation Abs/.1mm *ASTM D7414 >25 14.4 16.9 16.4	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5	20.2	19.7
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Base Number (BN)     mg KOH/g     ASTM D2896     9.8     8.5     8.0     8.2	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.4	16.9	16.4
	Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.5	8.0	8.2



## **OIL ANALYSIS REPORT**





VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.3	13.7	13.9
GRAPHS						

Ferrous Alloys

