

# WEAR NORMAL CONTAMINATION SEVERE FLUID CONDITION ATTENTION

#### Machine Id **5605** Component **Diesel Engine** Fluid **PETRO CANADA DURON SHP 10W30 (--- LTR)**

### RECOMMENDATION

We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. No other corrective action is recommended at this time.

WEAR		

All component wear rates are normal.

### CONTAMINATION

Test for glycol is positive. Light fuel dilution occurring. There is a high concentration of glycol present in the oil. No other contaminants were detected in the oil.

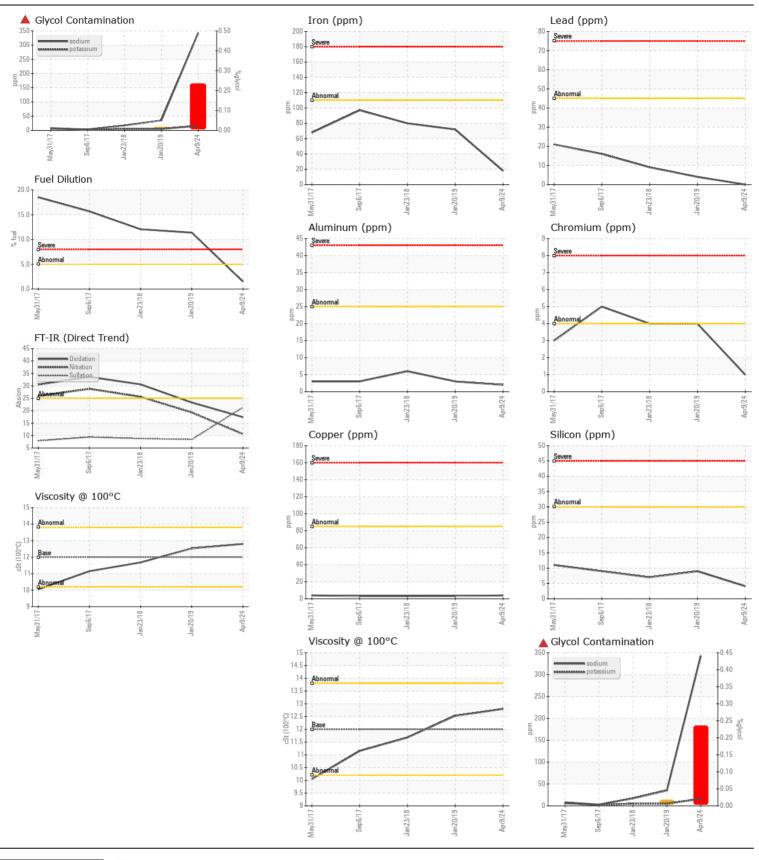
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# FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

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Sample DateClient InfoIP 9 Apr 20220 Jan 201920 Jan 201920 Jan 2019Machine AgehrsClient Info11657101248615Oil AgehrsClient Info0Oil ChangedKisClient InfoChangedChangedChangedChangedFilter ChangedClient InfoChangedN/AN/AN/ASample StatusClient InfoChangedN/AN/ASample StatusSEVERESEVERESEVEREIronppmASTM D5185(m)>1101872A 80ChromiumppmASTM D5185(m)>2c111TitaniumppmASTM D5185(m)>2000SilverppmASTM D5185(m)>2000AluminumppmASTM D5185(m)>4000VanadiumppmASTM D5185(m)>4000VanadiumppmASTM D5185(m)>21655Fuel%ASTM D5185(m)>30497PotassiumppmASTM D5185(m)>21655Fuel%ASTM D5185(m)>304912.06VatarppmASTM D5185(m)>30416.013SilconppmASTM D5185(m)>30416.0112.92SoliconppmASTM D5185(m)>3016.01312.01	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine AgehrsClient IntoI1657101248615Oil AgehrsClient Info0Oil ChangedClient InfoChangedChangedChangedChangedFilter ChangedQClient InfoChangedN/AN/ASample StatusSEVERESEVERESEVERESEVEREIronppmASTM 05185(m)>1101872A 80ChromiumppmASTM 05185(m)>2<111TitaniumppmASTM 05185(m)>2<111TitaniumppmASTM 05185(m)>2Q00AluminumppmASTM 05185(m)>2Q00AluminumppmASTM 05185(m)>2Q00VanadiumppmASTM 05185(m)>2Q000VanadiumppmASTM 05185(m)>34333TinppmASTM 05185(m)>3A1.5A1.20AVanadiumppmASTM 05185(m)>3AA331.6A1.20ASoliconppmASTM 05185(m)>3AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	Sample Number		Client Info		GFL0112574	GFL11955040	GFL11513658
Oil Age Filter AgehrsClient Info015090Filter AgehrsClient Info0Oil ChangedClient InfoChangedChangedChangedFilter Changed0Client InfoChangedN/AN/ASample StatusSEVERESEVERESEVERESEVEREIronppmASTMD5185(m) >1101872A 80ChromiumppmASTMD5185(m) >24144NickelppmASTMD5185(m) >22c1101TitaniumppmASTMD5185(m) >24000AluminumppmASTMD5185(m) >24000AluminumppmASTMD5185(m) >24000VanadiumppmASTMD5185(m) >24000VanadiumppmASTMD5185(m) >30497PotassiumppmASTMD5185(m) >30491.0SiliconppmASTMD5185(m) >3040.017NEGGlycol%ASTMD5185(m) >3049.017NEGSotifationAbs/cmASTMD5185(m) >3049.017NEGSotifationAbs/cmASTMD5185(m) >3049.017NEGSotifationAbs/cmASTMD5185(m) >3049.017NEGSotifationAbs/cmASTMD5185(m) >3041.564.223SotifationAbs/cmASTMD5185(m) 20NEG1.561.55<	Sample Date		Client Info		09 Apr 2024	20 Jan 2019	23 Jan 2018
Filter AgehrsClient Info0Oil ChangedClient InfoChangedChangedChangedChangedFilter ChangedClient InfoChangedN/AN/ASample StatusSEVERESEVERESEVEREIronppmASTMD5/85(m) >1101872A 80ChromiumppmASTMD5/85(m) >24144NickelppmASTMD5/85(m) >22<111TitaniumppmASTMD5/85(m) >22000AluminumppmASTMD5/85(m) >22236LeadppmASTMD5/85(m) >24049CopperppmASTMD5/85(m) >44000VanadiumppmASTMD5/85(m) >30497PotassiumppmASTMD5/85(m) >30497PotassiumppmASTMD5/85(m) >3041.1.39A12.06WaterWC Method>0.2NEGNEGNEGGlycol%ASTMD5/85(m) >3049.017NEGSoot %%ASTMD5/85(m) >3049.017NEGSodiumppmASTMD5/85(m) >3049.017NEGSodiumppmASTMD5/85(m) >3049.017NEGSodiumppmASTMD5/85(m) >3049.017NEGSodiumppmASTMD5/85(m) >3049.017NEGSodiumppmASTMD5/85(m) 0	Machine Age	hrs	Client Info		11657	10124	8615
Directory of the sector of t	Oil Age	hrs	Client Info		0	1509	0
Filter Changed Sample Status     Client Info     Changed SEVERE     N/A     N/A       Iron     ppm     ASTM D5185(m)<>110     18     72     ▲ 80       Chromium     ppm     ASTM D5185(m)<>4     1     4     ▲ 4       Nickel     ppm     ASTM D5185(m)     >2     <1     1     1       Titanium     ppm     ASTM D5185(m)     >2     0     0     0       Silver     ppm     ASTM D5185(m)     >2     0     0     0       Auminum     ppm     ASTM D5185(m)     >2     0     0     0       Copper     ppm     ASTM D5185(m)     >4     0     0     0       Vanadium     ppm     ASTM D5185(m)     >4     0     0     0       Silicon     ppm     ASTM D5185(m)     >20     ▲ 16     5     5       Fuel     %     ASTM D5185(m)     >20     ▲ 16     5     5       Gilicon     ppm     ASTM D5185(m)     >20     ▲ 0.83     4     2.8.6 </th <th>Filter Age</th> <th>hrs</th> <th>Client Info</th> <th></th> <th>0</th> <th></th> <th></th>	Filter Age	hrs	Client Info		0		
Sample Status     SEVERE     SEVERE     SEVERE     SEVERE       Iron     ppm     ASTM D5185(m)     >11     4     4       Nickel     ppm     ASTM D5185(m)     >2     <1     1     1       Titanium     ppm     ASTM D5185(m)     >2     <1     1     1       Titanium     ppm     ASTM D5185(m)     >2     0     0     0       Aluminum     ppm     ASTM D5185(m)     >2     0     0     0       Aluminum     ppm     ASTM D5185(m)     >2     0     0     0       Aluminum     ppm     ASTM D5185(m)     >4     0     0     0       Vanadium     ppm     ASTM D5185(m)     >4     0     0     0       Vanadium     ppm     ASTM D5185(m)     >4     0     0     0       Vanadium     ppm     ASTM D5185(m)     >4     16     5     5       Fuel     %     ASTM D5185(m)     >20     A     16     5     5	Oil Changed		Client Info		Changed	Changed	Changed
Iron     ppm     ASTM D5185(m)<>110     18     72<	Filter Changed		Client Info		Changed	N/A	N/A
Chromium     ppm     ASTM D5185(m)     >4     1     4     4       Nickel     ppm     ASTM D5185(m)     >2     <11	Sample Status				SEVERE	SEVERE	SEVERE
Chromium     ppm     ASTM D5185(m)     >4     1     4     4       Nickel     ppm     ASTM D5185(m)     >2     <11				440	40		• • • •
Nickel     pm     ASTM D5185(m)     >2     <1	-		( )				
Titanium     ppm     ASTM D5185(m)     >2     0     0     0       Silver     ppm     ASTM D5185(m)     >2     0     0     0       Aluminum     ppm     ASTM D5185(m)     >25     2     3     6       Lead     ppm     ASTM D5185(m)     >45     0     4     9       Copper     ppm     ASTM D5185(m)     >45     0     0     0       Vanadium     ppm     ASTM D5185(m)     >4     0     0     0       Vanadium     ppm     ASTM D5185(m)     >30     4     9     7       Potassium     ppm     ASTM D7593'     >5     1.5     4     12.06       Water     WC Method     >0.2     NEG     NEG					-		
Silver     ppm     ASTM D5185(m)     >2     0     0     0       Aluminum     ppm     ASTM D5185(m)     >25     2     3     6       Lead     ppm     ASTM D5185(m)     >45     0     4     9       Copper     ppm     ASTM D5185(m)     >45     0     0     0     0       Vanadium     ppm     ASTM D5185(m)     >4     0     0     0     0       Vanadium     ppm     ASTM D5185(m)     >4     0     0     0     0       Silicon     ppm     ASTM D5185(m)     >30     4     9     7       Potassium     ppm     ASTM D5185(m)     >20     ▲ 16     5     5       Fuel     %     ASTM D7593'     >5     1.5     ▲ 11.39     ▲ 12.06       Water     WC Method     >0.2     NEG     NEG     NEG     A2.23       Nitration     Abs/cm     ASTM D7142'     >30     Q.1     A 1.56     A 2.23       Sodium     ppm			( )	>2			
Aluminum     ppm     ASTM D5185(m)     >25     2     3     6       Lead     ppm     ASTM D5185(m)     >45     0     4     9       Copper     ppm     ASTM D5185(m)     >45     0     0     0       Vanadium     ppm     ASTM D5185(m)     >4     0     0     0       Vanadium     ppm     ASTM D5185(m)     >30     4     9     7       Potassium     ppm     ASTM D7922'     A     16     5     5       Fuel     %     ASTM D7624'     >20     10.6     19.3     25.6       Solt %     %     ASTM D78185(m)     2     10.6     19.3     25.6       Sulfation     Abs/(m     ASTM D5185(m)     2 <t< th=""><th></th><th></th><th>. ,</th><th>0</th><th></th><th></th><th></th></t<>			. ,	0			
Lead     ppm     ASTM D5185(m)     >45     0     4     9       Copper     ppm     ASTM D5185(m)     >85     4     3     3       Tin     ppm     ASTM D5185(m)     >4     0     0     0       Vanadium     ppm     ASTM D5185(m)     >30     4     9     7       Potassium     ppm     ASTM D7693*     >5     1.5     11.39     12.06       Water     w     WC Method     >0.2     NEG     NEG     2.23       Nitration     Abs/cm     ASTM D7624*     >20     10.6     19.3     25.6       Suffation     Abs/cm     ASTM D5185(m)     0.2 <th></th> <th></th> <th>. ,</th> <th></th> <th></th> <th></th> <th></th>			. ,				
Copper     ppm     ASTM D5185(m)     >85     4     3     3       Tin     ppm     ASTM D5185(m)     >4     0     0     0       Vanadium     ppm     ASTM D5185(m)     >4     0     0     0       Silicon     ppm     ASTM D5185(m)     >30     4     9     7       Potassium     ppm     ASTM D5185(m)     >20     ▲ 16     5     5       Fuel     %     ASTM D5185(m)     >20     ▲ 16     5     5       Fuel     %     ASTM D7593*     >5     1.5     ▲ 11.39     ▲ 12.06       Water     WC Method     >0.2     NEG     NEG     NEG       Glycol     %     ASTM D7844*     >3     0.4     ▲ 1.56     ▲ 2.23       Nitration     Abs/.tmm     ASTM D7624*     >20     10.6     19.3     ▲ 25.6       Sulfation     Abs/.tmm     ASTM D5185(m)     2     2     5     15       Barium     ppm     ASTM D5185(m)     0     <1<			· · /				
Tin     ppm     ASTM D5185(m)     >4     0     0     0       Vanadium     ppm     ASTM D5185(m)     >30     4     9     7       Silicon     ppm     ASTM D5185(m)     >30     4     9     7       Potassium     ppm     ASTM D5185(m)     >20     ▲ 16     5     5       Fuel     %     ASTM D7593*     >5     1.5     ▲ 11.39     ▲ 12.06       Water     W C Method     >0.2     NEG     NEG     NEG       Glycol     %     ASTM D7824*     >3     0.4     ▲ 1.56     ▲ 2.23       Nitration     Abs/cm     ASTM D7844*     >3     0.4     ▲ 1.56     ▲ 2.23       Nitration     Abs/cm     ASTM D7824*     >30     21.3     8.4     8.8       Emulsified Water     scalar     Visual*     >0.2     2     2     5     15       Barium     ppm     ASTM D5185(m)     2     2     3     17       Boron     ppm     ASTM D5185(m)			. ,		-		
Vanadium     ppm     ASTM D5185(m)     O     O     O       Silicon     ppm     ASTM D5185(m)     >30     4     9     7       Potassium     ppm     ASTM D5185(m)     >20     16     5     5       Fuel     %     ASTM D593*     >5     1.5     11.39     12.06       Water     WC Method     >0.2     NEG     NEG     NEG       Glycol     %     ASTM D7922*     ▲ 0.235     ▲ 0.017     NEG       Soot %     %     ASTM D7624*     >3     0.4     1.56     ▲ 2.23       Nitration     Abs/cm     ASTM D7624*     >20     10.6     19.3     ▲ 25.6       Sulfation     Abs/.1mm     ASTM D7624*     >20     10.6     19.3     ▲ 25.6       Sulfation     Abs/.1mm     ASTM D7152*     >30     21.3     8.4     8.8       Emulsified Water     scalar     Visual*     >0.2     2     5     15       Baron     ppm     ASTM D5185(m)     0     <1			· · /				
Silicon     ppm     ASTM D5185(m)     >30     4     9     7       Potassium     ppm     ASTM D5185(m)     >20     ▲ 16     5     5       Fuel     %     ASTM D5185(m)     >20     ▲ 16     5     5       Water     W     Method     >0.2     NEG     NEG     NEG       Glycol     %     ASTM D7922*     ▲ 0.235     ▲ 0.017     NEG       Soot %     %     ASTM D7844*     >3     0.4     ▲ 1.56     ▲ 2.23       Nitration     Abs/cm     ASTM D7624*     >20     10.6     19.3     ▲ 25.6       Sulfation     Abs/.1mm     ASTM D7624*     >20     10.6     19.3     ▲ 2.73       Sodium     ppm     ASTM D5185(m)     2     10.6     19.3     ▲ 25.6       Sulfation     ppm     ASTM D5185(m)     2     13.3     8.4     8.8       Emulsified Water     scalar     Visual*     >0.2     NEG         Sodium     ppm     ASTM D5185				>4			
Potassium     ppm     ASTM D5185(m)     >20     A 16     5     5       Fuel     %     ASTM D5183(m)     >20     A 16     5     5       Fuel     %     ASTM D7593*     >5     1.5     A 11.39     A 12.06       Water     //     WC Method     >0.2     NEG     NEG     NEG       Glycol     %     ASTM D7922* $\checkmark$ 0.235 $\land$ 0.017     NEG       Soot %     %     ASTM D7624*     >20     10.6     19.3     A 25.6       Sulfation     Abs/.m     ASTM D7415*     >30     21.3     8.4     8.8       Emulsified Water     scalar     Visual*     >0.2     NEG         Sodium     ppm     ASTM D5185(m)     2     2     5     15       Barium     ppm     ASTM D5185(m)     0     <1     0     0       Molybdenum     ppm     ASTM D5185(m)     0     <1         Magnesium     ppm     ASTM D5185(m)	Vanadium	ppm	ASTM D5185(m)		0	0	0
Fuel     %     ASTM D7593*     >5     1.5     A 11.39     A 12.06       Water     WC Method     >0.2     NEG     NEG     NEG       Glycol     %     ASTM D7922*     A 0.235     A 0.017     NEG       Soot %     %     ASTM D7844*     >3     0.4     A 1.56     A 2.23       Nitration     Abs/cm     ASTM D7624*     >20     10.6     19.3     A 25.6       Sulfation     Abs/rm     ASTM D764*     >30     21.3     8.4     8.8       Emulsified Water     scalar     Visual*     >0.2     NEG         Sodium     ppm     ASTM D5185(m)     2     343     35     17       Boron     ppm     ASTM D5185(m)     0     <1	Silicon	ppm	ASTM D5185(m)	>30	4	9	7
WaterWC Method>0.2NEGNEGNEGGlycol%ASTM D792* $\checkmark$ 0.235 $\checkmark$ 0.017NEGSoot %%ASTM D784*>30.4 $\checkmark$ 1.56 $\checkmark$ 2.23NitrationAbs/cmASTM D762*>2010.619.3 $\checkmark$ 25.6SulfationAbs/rmASTM D762*>3021.38.48.8Emulsified WaterscalarVisual*>0.2NEGSodiumppmASTM D5185(m)22515BariumppmASTM D5185(m)22515BariumppmASTM D5185(m)0<100MolybdenumppmASTM D5185(m)0<1MagnesiumppmASTM D5185(m)0<1PhosphorusppmASTM D5185(m)950927870520PhosphorusppmASTM D5185(m)118011291030945SulfurppmASTM D5185(m)118011291030945SulfurppmASTM D5185(m)18602383OxidationAbs./immASTM D5185(m)26002383	Potassium	ppm	ASTM D5185(m)	>20	<b>1</b> 6	5	5
Glycol   %   ASTM D7922*   ▲ 0.235   ▲ 0.017   NEG     Soot %   %   ASTM D7844*   >3   0.4   ▲ 1.56   ▲ 2.23     Nitration   Abs/cm   ASTM D7624*   >20   10.6   19.3   ▲ 25.6     Sulfation   Abs/.1mm   ASTM D7624*   >30   21.3   8.4   8.8     Emulsified Water   scalar   Visual*   >0.2   NEG       Sodium   ppm   ASTM D5185(m)   2   343   35   17     Boron   ppm   ASTM D5185(m)   2   2   5   15     Barium   ppm   ASTM D5185(m)   0   <1   0   0     Molybdenum   ppm   ASTM D5185(m)   0   <1       Magnesium   ppm   ASTM D5185(m)   0   <1       Magnesium   ppm   ASTM D5185(m)   950   927   870   520     Calcium   ppm   ASTM D5185(m)   1050   984   935   1290     Phosphorus   ppm <th>Fuel</th> <th>%</th> <th>ASTM D7593*</th> <th>&gt;5</th> <th>1.5</th> <th><b>1</b>1.39</th> <th>12.06</th>	Fuel	%	ASTM D7593*	>5	1.5	<b>1</b> 1.39	12.06
Soot %     %     ASTM D7844*     >3     0.4     ▲ 1.56     ▲ 2.23       Nitration     Abs/cm     ASTM D7624*     >20     10.6     19.3     ▲ 25.6       Sulfation     Abs/.1mm     ASTM D7624*     >20     10.6     19.3     ▲ 25.6       Sulfation     Abs/.1mm     ASTM D7415*     >30     21.3     8.4     8.8       Emulsified Water     scalar     Visual*     >0.2     NEG         Sodium     ppm     ASTM D5185(m)     2     2     5     15       Boron     ppm     ASTM D5185(m)     0     <1     0     0       Molybdenum     ppm     ASTM D5185(m)     0     <1         Magnesium     ppm     ASTM D5185(m)     0     <1         Magnesium     ppm     ASTM D5185(m)     950     927     870     520       Calcium     ppm     ASTM D5185(m)     1050     984     935     1290  Phosphorus	Water		WC Method	>0.2	NEG	NEG	NEG
Nitration     Abs/cm     ASTM D7624*     >20     10.6     19.3     ▲ 25.6       Sulfation     Abs/.1mm     ASTM D7415*     >30     21.3     8.4     8.8       Emulsified Water     scalar     Visual*     >0.2     NEG         Sodium     ppm     ASTM D5185(m)     2     343     35     17       Boron     ppm     ASTM D5185(m)     2     2     5     15       Barium     ppm     ASTM D5185(m)     0     <1	Glycol	%	ASTM D7922*		<b>0.235</b>	▲ 0.017	NEG
Sulfation     Abs/.1mm     ASTM D7415*     >30     21.3     8.4     8.8       Emulsified Water     scalar     Visual*     >0.2     NEG         Sodium     ppm     ASTM D5185(m)           Boron     ppm     ASTM D5185(m)     2     2     5     15       Barium     ppm     ASTM D5185(m)     0     <1     0     0       Molybdenum     ppm     ASTM D5185(m)     0     <1     0     0       Manganese     ppm     ASTM D5185(m)     0     <1         Magnesium     ppm     ASTM D5185(m)     0     <1         Magnesium     ppm     ASTM D5185(m)     050     927     870     520       Calcium     ppm     ASTM D5185(m)     1050     984     935     1290       Phosphorus     ppm     ASTM D5185(m)     1180     1129     1030     945  Sulfur     ppm     AS	Soot %	%	ASTM D7844*	>3	0.4	<b>1</b> .56	<b>2</b> .23
Emulsified WaterscalarVisual*>0.2NEGSodiumppmASTM D5185(m)• 3433517BoronppmASTM D5185(m)22515BariumppmASTM D5185(m)0<100MolybdenumppmASTM D5185(m)50695735ManganeseppmASTM D5185(m)0<1MagnesiumppmASTM D5185(m)950927870520CalciumppmASTM D5185(m)10509849351290PhosphorusppmASTM D5185(m)995872863ZincppmASTM D5185(m)118011291030945SulfurppmASTM D5185(m)26002383OxidationAbs/.1mASTM D7144*>2517.423.3A 30.6	Nitration	Abs/cm	ASTM D7624*	>20	10.6	19.3	<b>2</b> 5.6
Sodium     ppm     ASTM D5185(m)     Image: Signal s	Sulfation	Abs/.1mm	ASTM D7415*	>30	21.3	8.4	8.8
Boron     ppm     ASTM D5185(m)     2     2     5     15       Barium     ppm     ASTM D5185(m)     0     <1     0     0       Molybdenum     ppm     ASTM D5185(m)     0     <1     0     0       Manganese     ppm     ASTM D5185(m)     0     <1         Magnesium     ppm     ASTM D5185(m)     0     <1         Magnesium     ppm     ASTM D5185(m)     950     927     870     520       Calcium     ppm     ASTM D5185(m)     1050     984     935     1290       Phosphorus     ppm     ASTM D5185(m)     995     872     863       Zinc     ppm     ASTM D5185(m)     1180     1129     1030     945       Sulfur     ppm     ASTM D5185(m)     2600     2383         Oxidation     Abs/.1mm     ASTM D7144*<>25     17.4     23.3     ▲ 30.6	Emulsified Water	scalar	Visual*	>0.2	NEG		
Barium     ppm     ASTM D5185(m)     0     <1	Sodium	ppm	ASTM D5185(m)		9 343	35	17
Molybdenum     ppm     ASTM D5185(m)     50     69     57     35       Manganese     ppm     ASTM D5185(m)     0     <1         Magnesium     ppm     ASTM D5185(m)     950     927     870     520       Calcium     ppm     ASTM D5185(m)     1050     984     935     1290       Phosphorus     ppm     ASTM D5185(m)     995     955     872     863       Zinc     ppm     ASTM D5185(m)     1180     1129     1030     945       Sulfur     ppm     ASTM D5185(m)     2600     2383         Oxidation     Abs/.1mm     ASTM D7414*<>25     17.4     23.3     ▲ 30.6	Boron	ppm	ASTM D5185(m)	2	2	5	15
Manganese     ppm     ASTM D5185(m)     0     <1	Barium	ppm	ASTM D5185(m)	0	<1	0	0
Magnesium     ppm     ASTM D5185(m)     950     927     870     520       Calcium     ppm     ASTM D5185(m)     1050     984     935     1290       Phosphorus     ppm     ASTM D5185(m)     995     955     872     863       Zinc     ppm     ASTM D5185(m)     1180     1129     1030     945       Sulfur     ppm     ASTM D5185(m)     2600     2383         Oxidation     Abs/.1mm     ASTM D7414*<>25     17.4     23.3     30.6	Molybdenum	ppm	ASTM D5185(m)	50	69	57	35
Calcium     ppm     ASTM D5185(m)     1050     984     935     1290       Phosphorus     ppm     ASTM D5185(m)     995     955     872     863       Zinc     ppm     ASTM D5185(m)     1180     1129     1030     945       Sulfur     ppm     ASTM D5185(m)     2600     2383         Oxidation     Abs/.1mm     ASTM D7414*<>25     17.4     23.3     30.6	Manganese	ppm	ASTM D5185(m)	0	<1		
Phosphorus     ppm     ASTM D5185(m)     995     955     872     863       Zinc     ppm     ASTM D5185(m)     1180     1129     1030     945       Sulfur     ppm     ASTM D5185(m)     2600     2383         Oxidation     Abs/.1mm     ASTM D7414*     >25     17.4     23.3     ▲ 30.6	Magnesium	ppm	ASTM D5185(m)	950	927	870	520
Zinc     ppm     ASTM D5185(m)     1180     1129     1030     945       Sulfur     ppm     ASTM D5185(m)     2600     2383         Oxidation     Abs/.1mm     ASTM D7414*     >25     17.4     23.3     30.6	Calcium	ppm	ASTM D5185(m)	1050	984	935	1290
Sulfur     ppm     ASTM D5185(m)     2600     2383         Oxidation     Abs/.1mm     ASTM D7414*     >25     17.4     23.3     ▲ 30.6	Phosphorus	ppm	ASTM D5185(m)	995	955	872	863
Oxidation     Abs/.1mm     ASTM D7414*     >25     17.4     23.3     ▲ 30.6	Zinc	ppm	ASTM D5185(m)	1180	1129	1030	945
	Sulfur	ppm	ASTM D5185(m)	2600	2383		
Visc @ 100°C cSt ASTM D7279(m) 12.00 12.8 12.53 🔺 11.68	Oxidation	Abs/.1mm	ASTM D7414*	>25	17.4	23.3	▲ 30.6
	Visc @ 100°C	cSt	ASTM D7279(m)	12.00	12.8	12.53	11.68

Contact/Location: Tim Greig - GFL554



: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 554 - Edmonton SW Laboratory CALA . Sample No. Received 8409 -15th Street NW : GFL0112574 : 18 Apr 2024 Lab Number : 02629863 Edmonton, AB Tested : 19 Apr 2024 ISO 17025:2017 Accredited Laboratory Unique Number : 5762995 : 19 Apr 2024 - Wes Davis CA T6P 0B8 Diagnosed Test Package : MOB 1 (Additional Tests: Glycol, PercentFuel) Contact: Tim Greig To discuss this sample report, contact Customer Service at 1-800-268-2131. tgreig@gflenv.com T: (780)231-0521 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. F: Validity of results and interpretation are based on the sample and information as supplied.