

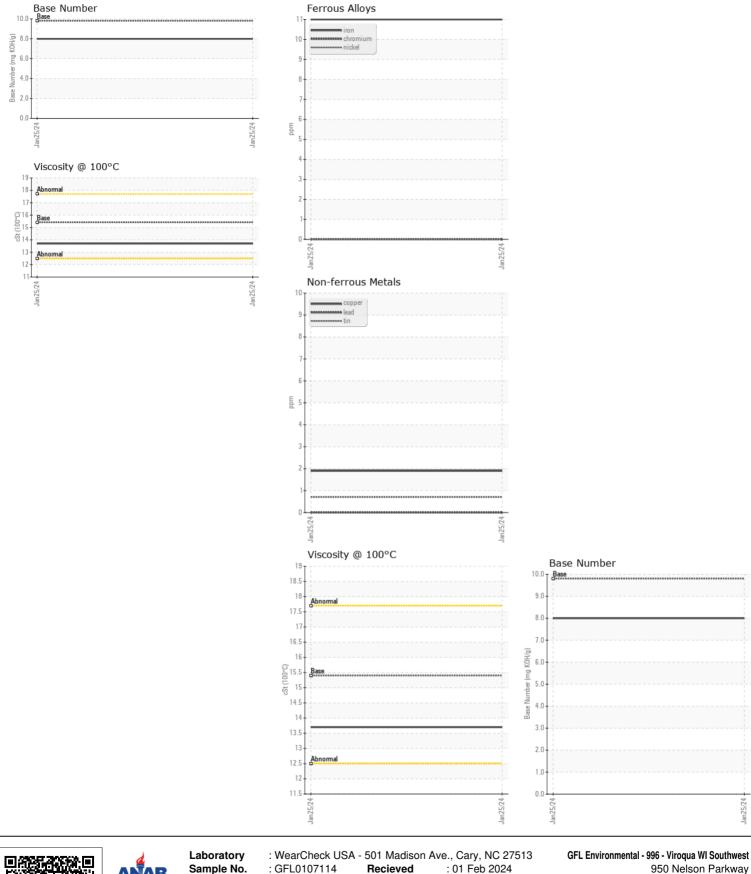
## WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

١

## Machine Id 924055 Component Diesel Engine

## PETRO CANADA DURON SHP 15W40 (--- GAL)

Test         UCM         Method         Utable         Entropy         History 2         History 2           Sample Nate         Client Info         Sumple Nate         Client Info         Sumple Nate         Formation Nate         Format         Format         Formation		1311+0 ( (						
Breample at the next service interval to monitor.         Sample Date Machine Age hrs         Client Info         19         3000             Machine Age hrs         Client Info         1000         600             Pitter Age hrs         Client Info         1000         600             Pitter Changed         Client Info         1000         600             Sample Date         Client Info         1000         600             WEAR         Info         ppm         ASTM 50555         >20         0             All component wear rates are normal.         Info         ppm         ASTM 50555         >20         0             Nicke         ppm         ASTM 50555         >20         0             Silver oppm         SSTM 50555         >20         0              Nicke         ppm         ASTM 50555         >20         0             Nicke         ppm         ASTM 50555         >20         0             Van	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Control         Control <t< td=""><td rowspan="3"></td><th>Sample Number</th><td></td><td>Client Info</td><td></td><th>GFL0107114</th><td></td><td></td></t<>		Sample Number		Client Info		GFL0107114		
Oil Age         Inter Mail         Good         Inter Mail         Good         Inter Mail         Good         Inter Mail         Good         Inter Mail         Inter<		Sample Date		Client Info		25 Jan 2024		
Filter Age         hrs         Client Info         000		Machine Age	hrs	Client Info		14535		
Oil Changed Filter Ohanged Sample Status         Client Info Norman         Changed in the info Norman         Changed in the info Norman         Changed in the info Norman         Changed in the info Norman         Changed info Norman         Changed info Norman <thchanged info Norman         Changed info No</thchanged 		Oil Age	hrs	Client Info		600		
Filter Changed Sample Status         Chennel Normania		•	hrs	Client Info		600		
Sample Status         NPML         n         n         n           WEAR         Iron         pm         AND0185         >20         11         1            All component wear rates are normal.         Iron         pm         ASIN 0585         >20         0             Nickel         pm         ASIN 0585         >20         0             Nickel         pm         ASIN 0585         >20         0             Nickel         pm         ASIN 0585         >20         0             Aluminum         pm         ASIN 0585         >20         0             Vanadium         pm         ASIN 0585         >15         0             Vanadium         pm         ASIN 0585         >15         0             Vanadium         pm         ASIN 0585         >20         4             Vanadium         pm         ASIN 0585         >20         4             Vanadium         pm         ASIN 0585         >20         -				Client Info		Changed		
VEAR         Iron         ppm         ASMOSISM         >120         11             All component wear rates are normal.         PPM         ASMOSISM         >20         0             Nickel         ppm         ASMOSISM         >20         0             Silver         ppm         ASMOSISM         >20         0             All minum         ppm         ASMOSISM         >20         0             Silver         ppm         ASMOSISM         >20         0             Aluminum         ppm         ASMOSISM         >20         0             Audinum         ppm         ASMOSISM         >0         0             Variadum         ppm         ASMOSISM <t< td=""><td></td><th>Filter Changed</th><td></td><td>Client Info</td><td></td><th>Changed</th><td></td><td></td></t<>		Filter Changed		Client Info		Changed		
All component wear rates are normal.         Chromium Nickel         ppm         ASTI0 (0585n         -20         0             Nickel         ppm         ASTI0 (0585n         -20         0             Silver         ppm         ASTI0 (0585n         -20         0             Silver         ppm         ASTI0 (0585n         -20         0             Lead         ppm         ASTI0 (0585n         -20         0             Vanadium         ppm         ASTI0 (0585n         -40         0             Vanadium         ppm         ASTI0 (0585n         -50         0             Vanadium         ppm         ASTI0 (0585n         -52         1             Vanadium         ppm         ASTI0 (0585n         -25         1             Vanadium         ppm         ASTI0 (0585n         -25         1             Vanadium         ppm         ASTI0 (0585n         -25         1		Sample Status				NORMAL		
All component wear rates are normal.         Chromium Nickel         ppm         ASTI0 (0585n         -20         0             Nickel         ppm         ASTI0 (0585n         -20         0             Silver         ppm         ASTI0 (0585n         -20         0             Silver         ppm         ASTI0 (0585n         -20         0             Lead         ppm         ASTI0 (0585n         -20         0             Vanadium         ppm         ASTI0 (0585n         -40         0             Vanadium         ppm         ASTI0 (0585n         -50         0             Vanadium         ppm         ASTI0 (0585n         -52         1             Vanadium         ppm         ASTI0 (0585n         -25         1             Vanadium         ppm         ASTI0 (0585n         -25         1             Vanadium         ppm         ASTI0 (0585n         -25         1	WEAD				400			
All component wear rates are normal.         Nickel         ppm         4STI 0518m         -5         0             Titanium         ppm         ASTM 0518m         -2         0             All uminum         ppm         ASTM 0518m         -20         0             All uminum         ppm         ASTM 0518m         -20         6             All uminum         ppm         ASTM 0518m         -20         6             Copper         ppm         ASTM 0518m         -10              Vandum         ppm         ASTM 0518m         -15         <1	WEAR							
Nickel         ppril         ASIM (bisits)         -3         0             Auranioum         ppm         ASIM (bisits)         -2         0             Auranioum         ppm         ASIM (bisits)         -2         0             Auranioum         ppm         ASIM (bisits)         -20         6             Auranioum         ppm         ASIM (bisits)         -20         6             Auranioum         ppm         ASIM (bisits)         -20         6             Auranioum         ppm         ASIM (bisits)         -30         1             Vanadium         ppm         ASIM (bisits)         -25         4             Visual         NONE         NONE         NONE              Visual         NONE         NONE         NONE              Visual         NONE         NONE         NONE	All component wear rates are normal.							
Silver         ppm         ASTM 05185m         >2         0             Atuminum         ppm         ASTM 05185m         >20         6             Lead         ppm         ASTM 05185m         >30         2             Copper         ppm         ASTM 05185m         >30         2             Vanadium         ppm         ASTM 05185m         >10              Vanadium         ppm         ASTM 05185m         >20         1             Vallow Metal         Scalar         'Visual         NONE         NONE             CONTAMINATION         Silicon         ppm         ASTM 05185m         20         15             Vallow Metal         Scalar         'Visual         NONE         NORE             CONTAMINATION         Silicon         ppm         ASTM 05185m         20         15             Concepter         Worker         Visual         NONE         NONE								
Aluminum         ppm         ASTM 05185m         >20         6             Lead         ppm         ASTM 05185m         >40         0             Copper         Millo 5185m         >40         0              Vanadium         ppm         ASTM 05185m         >15         <1								
Lead         pp         ASTM 05185m         >40         0             Copper         ppm         ASTM 05185m         >15								
Copper         ppm         ASTM D5185m         >330         2             Tin         ppm         ASTM D5185m         0								
Tin         ppm         ASTM D5185m         >15         <1								
Vanadium         ppm         ASTM D5185m         0             White Metal Vellow Metal         scalar         'Visual         NONE         NONE             CONTAMINATION         Solar         'Visual         NONE         ASTM D518m         -25         4             There is no indication of any contamination in the oil.         Silicon         ppm         ASTM D518m         -25         4             Water         WC Method         -3.0         <1.0              Water         WC Method         -3.0         <1.0              Soot %         %         YSTM D7844         >4         0.2             Soot %         %         YSTM D7844         >4         0.2             Sulfation         Abs/time         YStM D7845         >20         7.1             Sulfation         Abs/time         YStM D7845         >20         7.1             Sulfation         Abs/tim         YStM D7845         >20         <								
White Metal Yellow Metal         scalar         "Visual         NONE         NONE             CONTAMINATION         Silicon         ppm         ASTM D5185m         >25         4             There is no indication of any contamination in the oil.         Silicon         ppm         ASTM D5185m         >20         15             Water         WC Method         >0.2         NEG              Glycol         WC Method         >0.2         NEG              Soli %6         %         YSIM D784         >4         0.2         NEG            Water         WC Method         >0.2         NEG             Soli %6         %         YSIM D784         >0         18.7             Sulfation         Abs/irm         YSiual         NONE         NORE             Sulfation         Abs/irm         YSiual         NORM         NORE             Sulfation         Scalar         YVisual         NORE					>15			
Velow Metal         scalar         *Visual         NONE             CONTAMINATION         Silicon         ppm         ASTM 05185m         >20         15            There is no indication of any contamination in the oil.         Potassium         ppm         ASTM 05185m         >20         15            Walter         WC Method         >3.0         <1.0             Walter         WC Method         >3.0         <1.0             Glycol         WC Method         >20         NEG             Sol %         %         'ASTM 0724         >4         0.2         REG            Sol %         %         'ASTM 0741         >4         0.2             Sultation         Abs(m         'ASTM 07415         >30         18.7             Silt         scalar         'Visual         NONE         NONE         NONE            Sand/Dift         scalar         'Visual         NORM         NORM             Appearance         scalar         'Visual <t< th=""><th></th><th></th><th></th><th></th><th></th><th>-</th><th></th><th></th></t<>						-		
CONTAMINATION         Silicon         ppm         ASTM 05/85m         >25         4            There is no indication of any contamination in the oil.         Potassium         ppm         ASTM 05/85m         >20         15             Water         WC Method         >3.0         <1.0              Water         WC Method         >3.0         <1.0              Sol %         %         'ASTM 078/4         >4         0.2             Sili con         Abs(m< 'ASTM 078/4         >4         0.2              Sulfation         Abs(m< 'ASTM 078/4         >4         0.2              Sulfation         Abs(im< 'ASTM 078/4         >0.0         NONE              Sulfation         Abs(im< 'ASTM 078/4         >0.0         NONE              Sulfation         Abs(im< 'ASTM 078/4         >0.0         NONE              Sulfation         Abs(im< 'ASTM 078/4         NONE								
Potassium         ppm         ASTM D5185m         >20         15            Fuel         WC Method         >3.0         <1.0             Water         WC Method         >0.2         NEG             Glycol         WC Method         >0.2         NEG             Soot %         %         MSTM D784         >4         0.2             Nitration         Abs/rm         'ASTM D784         >4         0.2             Soot %         %         'ASTM D784         >4         0.2             Sitt         scalar         'Visual         NONE         200         18.7             Sitt         scalar         'Visual         NONE         NONE             Sand/Dirt         scalar         'Visual         NONE         NORML             Odor         scalar         'Visual         NORML         NORML             The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for		Yellow Metal	scalar	*Visual	NONE	NONE		
Potassium         ppm         ASTM D5185m         >20         15            Fuel         WC Method         >3.0         <1.0             Water         WC Method         >0.2         NEG             Glycol         WC Method         >0.2         NEG             Soot %         %         MSTM D784         >4         0.2             Nitration         Abs/tmm         MSTM D784         >20         7.1             Soot %         %         %STM D784         >20         7.1             Silt         scalar         Visual         NONE         NONE             Silt         scalar         Visual         NONE         NONE             Sand/Dirt         scalar         Visual         NORML         NORML             Goor         scalar         Visual         NORML         NORML             The N result indicates that there is suitable alkalinity remaining in the oil.         Sodium         ppm         ASTM	CONTAMINATION	Silicon	nnm	ASTM D5185m	<u>\</u> 25	4		
There is no indication of any contamination in the oil.       Fuel       WC Method $>3.0$ $<1.0$ $$ Water       WC Method $>0.2$ NEG $$ Glycol       WC Method $>0.2$ NEG $$ Sol %       %S/M D7624 $>20$ 7.1 $$ $$ Nitration       Abs/cm       'ASTM D7624 $>20$ 7.1 $$ $$ Sulfation       Abs/cm       'Assall       NONE       NONE $$ $$ Sulfation       scalar       'Visual       NORM       NORM $$ $$ Appearance       scalar       'Visual       NORM       NORM $$ $$ The BN result indicates that there is suitable alkalinity remaining in the oil is suitable for further service.       Solf m       Silf D5185m       0       <	CONTAMINATION							
Water         WC Method         >0.2         NEG             Glycol         WC Method         NEG          NEG            Soot %         %         'ASTM D784         >4         0.2             Nitration         Abs/m         'ASTM D784         >20         7.1             Sulfation         Abs/m         'ASTM D781         >30         18.7             Sulfation         Abs/m         'Nisual         NONE         NONE             Debris         scalar         'Visual         NONE         NONE             Sand/Dirt         scalar         'Visual         NORE              Appearance         scalar         'Visual         NORE         NORE             The BN result indicates that there is suitable alkalinity remaining in the oil is suitable for further service.         Sodium         pm         ASTM D5185m         0         <1	There is no indication of any contamination in the oil.		ррп					
Glycol         WC Method         NEG             Soot %         %         'ASTM D784         >4         0.2             Nitration         Abs/.tm         'ASTM D784         >4         0.2             Nitration         Abs/.tm         'ASTM D784         >4         0.2             Sulfation         Abs/.tm         'ASTM D784         >30         18.7             Sulfation         Abs/.tm         'Visual         NONE         MONE             Sulfation         scalar         'Visual         NONE         MONE             Sand/Dirt         scalar         'Visual         NORE         MONE             Odor         scalar         'Visual         NORE         MONE             Odor         scalar         'Visual         NORE         MORE             Boron         ppm         ASTM D5185m         0         0             Magnesium         ppm         ASTM D5185m								
Soot %         %         *ASTM D7844         >4         0.2             Nitration         Abs/cm         *ASTM D762         >20         7.1             Sulfation         Abs/tm         *ASTM D762         >20         7.1             Sulfation         Abs/tm         *ASTM D762         >30         18.7             Sulfation         Abs/tm         *ASTM D762         >30         18.7             Sulfation         Abs/tm         *AStM D762         NONE         NONE             Sulfation         Abs/tm         *Astm D745         S00         NONE         NONE            Debris         scalar         *Visual         NORM         NORM             Appearance         scalar         *Visual         NORM         NORM             Appearance         scalar         *Visual         NORM         NORM             Appearance         scalar         *Visual         NORM         NORM             B					20.2			
Nitration         Abs/cm         *ASTM D7624         >20         7.1             Sulfation         Abs/tm         *ASTM D7415         >30         18.7             Silt         scalar         *Visual         NONE         NONE             Silt         scalar         *Visual         NONE         NONE             Bebris         scalar         *Visual         NONE         NONE             Sand/Dirt         scalar         *Visual         NORM         NORM             Appearance         scalar         *Visual         NORM         NORM             Odor         scalar         *Visual         NORM         NORM             Odor         scalar         *Visual         NORM			0/_		>1			
Sulfation         Abs/Imm         'ASTM D7415         >30         18.7             Silt         scalar         'Visual         NONE         NONE             Debris         scalar         'Visual         NONE         NONE             Sand/Dirt         scalar         'Visual         NONE         NONE             Appearance         scalar         'Visual         NORM         NORM             Odor         scalar         'Visual         NORM         NORM             Odor         scalar         'Visual         NORM         NORM             Emulsified Water         scalar         'Visual         NOR         NORM             Borin         ppm         ASTM D5185m         0         <1             Maganese         ppm         ASTM D5185m         0         <1             Maganesium         ppm         ASTM D5185m         1010         904             Magnesium <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>								
Siltscalar*VisualNONEDebrisscalarVisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORLNORLOdorscalar*VisualNORLNORLDebrisscalar*VisualNORLNORLOdorscalar*VisualNORLNORLDebrisscalar*VisualNORLNORLOdorscalar*VisualNORLNORLDebrisscalar*VisualNORLNORLOdorscalar*VisualNORLNORLDebrisscalar*VisualNORLNORLMolydemutescalar*VisualNORLNORLBariumppmASTM D5185m00MaganeseppmASTM D5185m0MagnesiumppmASTM D5185m1070954PosphorusppmASTM D5185m1070954SulfurppmASTM D5185m1070954SulfurppmASTM D5185m1070904SulfurppmASTM D5185m1								
Debrisscalar*VisualNONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLBarlumppmASTM D5185m0NEGBariumppmASTM D5185m0<BariumppmASTM D5185m0<MolybdenumppmASTM D5185m0<ManganeseppmASTM D5185m10109044CalciumppmASTM D5185m10709544ZincppmASTM D5185m12701162SulfurppmASTM D5185m12701162SulfurppmASTM D5185m12701162SulfurppmASTM D5185m12701162SulfurppmASTM D5185m12701162SulfurppmASTM D5185m12701162SulfurppmASTM D5185m12701162 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>								
Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMNORMLIncomeIncomeIncomeIncomeOdorscalar*VisualNORMNORMLIncome <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>								
Appearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGSodiumppmASTM D5185m0<1BoronppmASTM D5185m0<1BariumppmASTM D5185m0<1MolybdenumppmASTM D5185m0<1MagnesseppmASTM D5185m0<1MagnesiumppmASTM D5185m0<1MagnesiumppmASTM D5185m1010904MagnesiumppmASTM D5185m1010904MagnesiumppmASTM D5185m1010904CalciumppmASTM D5185m11501024SulfurppmASTM D5185m12701162SulfurppmASTM D5185m20603037Sulfurkpm%KM D7141>2515.0Base Number (BN)mS KMBMSTM D28869.88.0SulfurkpmKSTM D7414 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>								
Odorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGFLUID CONDITIONSodiumppmASTM D5185m0<1BoronppmASTM D5185m0<1BariumppmASTM D5185m00MolybdenumppmASTM D5185m0<1MaganesseppmASTM D5185m0<1MagnesiumppmASTM D5185m1010904CalciumppmASTM D5185m1010904PhosphorusppmASTM D5185m11501024SulfurppmASTM D5185m12701162OxidationAbs/.1mm'ASTM D5185m20603037Base Number (BN)mg K0HigASTM D28969.88.0								
Emulsified Waterscalar*Visual>0.2NEGFLUID CONDITIONThe BN result indicates that there is suitable alkalinity remaining in the oil is suitable for further service.SodiumppmASTM D5185m0<1BariumppmASTM D5185m0<1MalybdenumppmASTM D5185m0<1MagnesiumppmASTM D5185m0<1MagnesiumppmASTM D5185m0<1MagnesiumppmASTM D5185m1010904CalciumppmASTM D5185m1070954PhosphorusppmASTM D5185m11501024SulfurppmASTM D5185m20603037OxidationAbs/.1mm*ASTM D7414>2515.0Base Number (BN)mg KOHgASTM D28969.88.0								
Sodium       ppm       ASTM D5185m       7          Boron       ppm       ASTM D5185m       0       <1          Barium       ppm       ASTM D5185m       0       0          Barium       ppm       ASTM D5185m       0       0          Molybdenum       ppm       ASTM D5185m       0       0          Manganese       ppm       ASTM D5185m       010       904          Magnesium       ppm       ASTM D5185m       1010       904          Phosphorus       ppm       ASTM D5185m       1010       904          Zinc       ppm       ASTM D5185m       1150       1024          Sulfur       ppm       ASTM D5185m       1270       1162          Oxidation       Abs/.1mm<*ASTM D5185m       2060       3037           Base Number (BN)       mg K0Hg       ASTM D2896       9.8       8.0								
Boron         ppm         ASTM D5185m         0         <1			Scalar	VISUAI	20.2		-	
Boron       ppm       ASTM D5185m       0       <1	FLUID CONDITION	Sodium	ppm	ASTM D5185m		7		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.       Barium       ppm       ASTM D5185m       0       0           Molybdenum       ppm       ASTM D5185m       60       57           Manganese       ppm       ASTM D5185m       0       <1					0	<1		
Nolybdenum       ppm       ASTM D5185m       60       57           Manganese       ppm       ASTM D5185m       0       <1		Barium						
Manganese       ppm       ASTM D5185m       0       <1           Magnesium       ppm       ASTM D5185m       1010       904           Calcium       ppm       ASTM D5185m       1070       954           Phosphorus       ppm       ASTM D5185m       1150       1024           Zinc       ppm       ASTM D5185m       1270       1162           Sulfur       ppm       ASTM D5185m       2060       3037           Oxidation       Abs/.1mm       'ASTM D2186       9.8       8.0				ASTM D5185m	60	57		
Magnesium       ppm       ASTM D5185m       1010       904           Calcium       ppm       ASTM D5185m       1070       954           Phosphorus       ppm       ASTM D5185m       1150       1024           Zinc       ppm       ASTM D5185m       1270       1162           Sulfur       ppm       ASTM D5185m       2060       3037           Oxidation       Abs/.1mm       *ASTM D7141       >25       15.0           Base Number (BN)       mg KOHg       ASTM D2896       9.8       8.0		-		ASTM D5185m	0	<1		
Calcium       ppm       ASTM D5185m       1070       954           Phosphorus       ppm       ASTM D5185m       1150       1024           Zinc       ppm       ASTM D5185m       1270       1162           Sulfur       ppm       ASTM D5185m       2060       3037           Oxidation       Abs/.1mm       *ASTM D7141       >25       15.0           Base Number (BN)       mg KOH/g       ASTM D2896       9.8       8.0		-		ASTM D5185m	1010			
Phosphorus       ppm       ASTM D5185m       1150       1024           Zinc       ppm       ASTM D5185m       1270       1162           Sulfur       ppm       ASTM D5185m       2060       3037           Oxidation       Abs/.1mm       *ASTM D7414       >25       15.0           Base Number (BN)       mg KOHg       ASTM D2896       9.8       8.0		Calcium						
Zinc       ppm       ASTM D5185m       1270       1162           Sulfur       ppm       ASTM D5185m       2060       3037           Oxidation       Abs/.1mm       *ASTM D7414       >25       15.0           Base Number (BN)       mg KOH/g       ASTM D2896       9.8       8.0								
Sulfur         ppm         ASTM D5185m         2060         3037             Oxidation         Abs/.1mm         *ASTM D7414         >25         15.0             Base Number (BN)         mg KOH/g         ASTM D2896         9.8         8.0								
Oxidation         Abs/.1mm         *ASTM D7414         >25         15.0            Base Number (BN)         mg KOH/g         ASTM D2896         9.8         8.0								
Base Number (BN)         mg KOH/g         ASTM D2896         9.8         8.0								
		Visc @ 100°C	cSt			13.7		



Sample No. : GFL0107114 Recieved :01 Feb 2024 950 Nelson Parkway Lab Number : 02 Feb 2024 Viroqua, WI : 06077487 Diagnosed Unique Number : 10859578 Diagnostician : Wes Davis US 54665 Test Package : FLEET Contact: Shawn Burke Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. sburke@gflenv.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Т: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Submitted By: Lead Mechanic - Shawn Burke