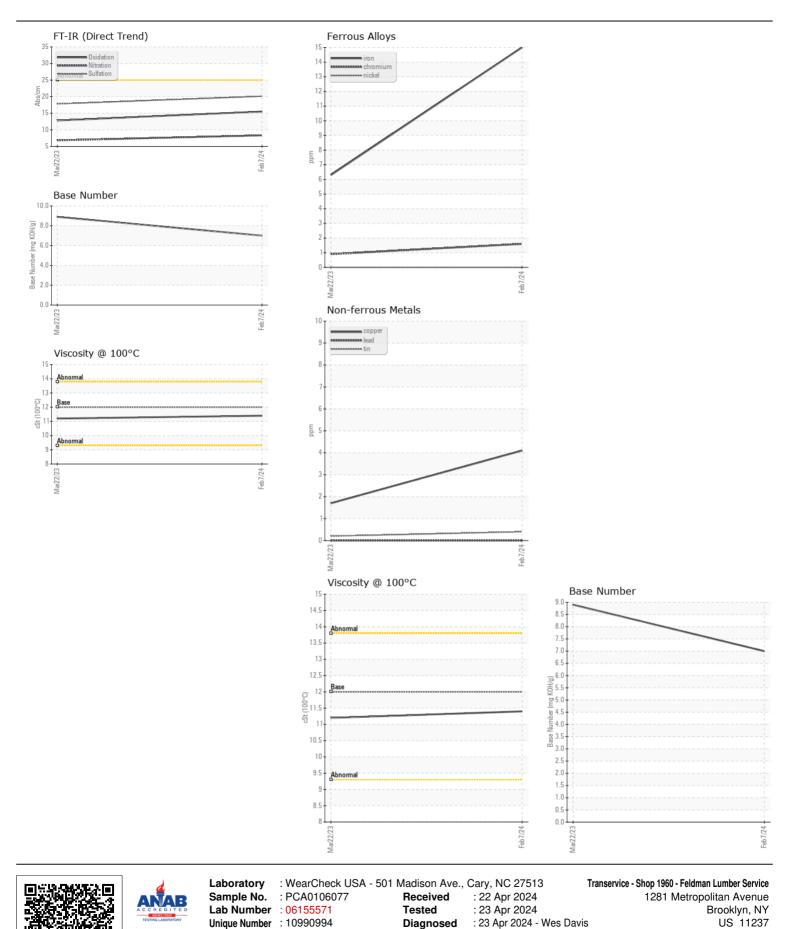




## (63382PC) Feldman Lumber-Tractor [Feldman Lumber-Tractor] 196D254 Diesel Engine

## PETRO CANADA DURON SHP 10W30 (11 GAL)

Sample Number       Client Info       PCA0106077       PCA091120          Resample at the next service interval to monitor.       Sample Date       Client Info       07 Feb 2024       22 Mar 2023	-listory2	History1	Current	Limit/Abn	Method	UOM	Test	RECOMMENDATION	
Mathine Age         mis         Client Indo         101720         21 all 200					Client Info		Sample Number		
Oil Age         mis         Client Info         10463         6250         -           Filter Age         mis         Client Info         10463         6250         -           Oil Changed         Client Info         Changed         Changed         -         Changed         -           Filter Changed         Client Info         NORMAL		22 Mar 2023	07 Feb 2024		Client Info		Sample Date	Resample at the next service interval to monitor.	
Filter Age         mis         Client Info         10463         6250         -           Oil Changed         Client Info         Changed         Chand         Chand         Chand <th></th> <th>91327</th> <th>101790</th> <th></th> <th>Client Info</th> <th>mls</th> <th>Machine Age</th> <th></th>		91327	101790		Client Info	mls	Machine Age		
Oil Changed Filter Changed         Citient Info         Changed Changed         Changed Changed         Changed Changed         Changed Changed         Changed         NORMAL         NORMA		6250	10463		Client Info	mls	Oil Age		
Filter Changed Sample Status         Client Info         Changed NORMAL         NORMAL         NORMAL         Changed NORMAL         NORMAL         Changed NORMAL         Changed NORMAL         NORMAL         Changed NORMAL         NORMAL         Changed NORMAL         Chan		6250	10463		Client Info	mls	Filter Age		
Sample Status         NORMA         NORMA         OORMAL         OOR         OO		Changed	Changed		Client Info		Oil Changed		
WEAR         Iron         ppm         ASTM 05185m         >80         15         6           All component wear rates are normal.         Otromium         ppm         ASTM 05185m         >2         <1         0           Nickel         ppm         ASTM 05185m         >3         0         0         0           Titanium         ppm         ASTM 05185m         >3         0         0         0           Auminum         ppm         ASTM 05185m         >3         0         0         0           Lead         ppm         ASTM 05185m         >5         <1         <1         0         0           Vanadium         ppm         ASTM 05185m         >5         <1         <1         <1           Vanadium         ppm         ASTM 05185m         >5         <1         <1         <1           Vanadium         ppm         ASTM 05185m         >0         0         <1         0         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1		Changed	Changed		Client Info		Filter Changed		
All component wear rates are normal.         Chromium         ppm         ASTM D5186m         >5         2         <1		NORMAL	NORMAL				Sample Status		
All component wear rates are normal.         Chromium         ppm         ASTM D5186m         >5         2         <1		6	15	>80	ASTM D5185m	ppm	Iron	WEAR	
All component wear rates are normal.         Nickel         pm         ASTM D518m         >2         0         0           Tatanium         ppm         ASTM D518m         >2         0         0           Sliver         ppm         ASTM D518m         >30         0         0           Aluminum         ppm         ASTM D518m         >30         0         0           Copper         ppm         ASTM D518m         >30         0         0           Varadium         ppm         ASTM D518m         >30         0         0           Varadium         ppm         ASTM D518m         >20         4         0           Varadium         ppm         ASTM D518m         >20         4         3           Varadium         ppm         ASTM D518m         >20         4         3           Varadium         ppm         ASTM D518m         >20         4         3		<1	2	>5	ASTM D5185m		Chromium		
Titanium         ppm         ASTM D5185m         C         C1         0           Aluminum         ppm         ASTM D5185m         -30         16         6           Aluminum         ppm         ASTM D5185m         -30         16         6           Lead         ppm         ASTM D5185m         -30         16         6           Lead         ppm         ASTM D5185m         -30         0         0         0           Copper         ppm         ASTM D5185m         -50         4         2         1         -1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         1         1         0         1         0         1         0         1         1         1         0         1         0         1         0         1         1         1         0         1         1         1         0 <td></td> <td></td> <th>0</th> <td>&gt;2</td> <td>ASTM D5185m</td> <td></td> <td>Nickel</td> <td>All component wear rates are normal.</td>			0	>2	ASTM D5185m		Nickel	All component wear rates are normal.	
Silver         pp         ASTM D5185m         >3         0         0           Aluminum         ppm         ASTM D5185m         >30         16         6           Lead         ppm         ASTM D5185m         >30         0         0           Copper         ppm         ASTM D5185m         >150         4         2         1           Tin         ppm         ASTM D5185m         >5         <1		0	<1		ASTM D5185m		Titanium		
Aluminum         ppm         ASTM D5165m         >-30         16         6           Lead         ppm         ASTM D5165m         >-30         0         0           Copper         ppm         ASTM D5165m         >-50         41         2           Tin         ppm         ASTM D5185m         >-5         <1		0	0	>3	ASTM D5185m	ppm	Silver		
Lead         ppm         ASTM D5185m         >30         0         0           Copper         ppm         ASTM D5185m         >50         4         2           Tin         ppm         ASTM D5185m         >50         4         2           Variadium         ppm         ASTM D5185m         < <td>-1         0           White Metal         scalar         "Visual         NONE         NONE         NONE           Variadium         ppm         ASTM D5185m         &gt;20         22         7           There is no indication of any contamination in the oil.         Silicon         ppm         ASTM D5185m         &gt;20         22         7           Fuel         WC Method         &gt;0.2         NC         NC         NC         NC           Water         WC Method         &gt;0.2         NEG         NEG         NC         NC         NC         NC         NC           Nitration         Abs(m         Yisual         NONE         NONE         NCNE         NCNE</td> <td></td> <td>6</td> <th>16</th> <td>&gt;30</td> <td>ASTM D5185m</td> <td></td> <td>Aluminum</td> <td></td>	-1         0           White Metal         scalar         "Visual         NONE         NONE         NONE           Variadium         ppm         ASTM D5185m         >20         22         7           There is no indication of any contamination in the oil.         Silicon         ppm         ASTM D5185m         >20         22         7           Fuel         WC Method         >0.2         NC         NC         NC         NC           Water         WC Method         >0.2         NEG         NEG         NC         NC         NC         NC         NC           Nitration         Abs(m         Yisual         NONE         NONE         NCNE         NCNE		6	16	>30	ASTM D5185m		Aluminum	
Copper         ppm         ASTM D5185m         >150         4         2           Tin         ppm         ASTM D5185m         >5         <1         <1           Vanadium         ppm         ASTM D5185m         <1         0           Wite Metal         scalar         Visual         NONE         NONE         NONE           CONTAMINATION         Silicon         ppm         ASTM D5185m         >20         4         3           There is no indication of any contamination in the oil.         Silicon         ppm         ASTM D5185m         >20         22         7           Fuel         WO Method         >5         <1.0         <1.0         0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1.0         <1		0	0	>30	ASTM D5185m		Lead		
Tin         ppm         ASTM D5185m         >5         <1		2	4	>150	ASTM D5185m		Copper		
White Metal Yellow Metalscalar*VisualNONENONENONECONTAMINATIONSiliconppmASTM D5185m>20227There is no indication of any contamination in the oil.PotassiumppmASTM D5185m>20227FuelWC Method>5<1.0<1.0 </th <th></th> <th>&lt;1</th> <th>&lt;1</th> <th>&gt;5</th> <th>ASTM D5185m</th> <th>ppm</th> <th>Tin</th> <th></th>		<1	<1	>5	ASTM D5185m	ppm	Tin		
Yellow Metal       scalar       *Visual       NONE       NONE         CONTAMINATION       Silicon       ppm       ASTM D5185m       >20       4       3         There is no indication of any contamination in the oil.       Potassium       ppm       ASTM D5185m       >20       22       7         Fuel       WC Method       >5       <1.0       <1.0 <th></th> <th>0</th> <th>&lt;1</th> <th></th> <th>ASTM D5185m</th> <th>ppm</th> <th>Vanadium</th> <th></th>		0	<1		ASTM D5185m	ppm	Vanadium		
Silicon       ppm       ASTM D5185m       >20       4       3         There is no indication of any contamination in the oil.       Potassium       ppm       ASTM D5185m       >20       22       7         Fuel       WC Method       >5       <1.0       <1.0       <1.0		NONE	NONE	NONE	*Visual	scalar	White Metal		
Potassium         ppm         ASTM D5185m         >20         22         7           Fuel         WC Method         >5         <1.0         <1.0           Water         WC Method         >0.2         NEG         NEG           Glycol         WC Method         >0.2         NEG         NEG           Soto %         %         'ASTM D7624         >20         8.3         6.8           Sulfation         Abs/mm         'ASTM D7624         >20         NONE         NONE           Odor         scalar         'Visual         NORE         NORE         NORE         NORE		NONE	NONE	NONE	*Visual	scalar	Yellow Metal		
Potassium         ppm         ASTM D5185m         >20         22         7           Fuel         WC Method         >5         <1.0         <1.0           Water         WC Method         >0.2         NEG         NEG           Glycol         WC Method         >0.2         NEG         NEG           Soto %         %         'ASTM D7624         >20         8.3         6.8           Sulfation         Abs/mm         'ASTM D7624         >20         8.3         6.8           Sulfation         Scalar         'Visual         NONE         NONE         NONE         NONE         NORE		2	Л	. 20	ACTM DE10Em		Silioon		
There is no indication of any contamination in the oil.       Fuel       WC Method >5       <1.0       <1.0         Water       WC Method >0.2       NEG       NEG       NEG         Glycol       WC Method >3       0.5       0.3       0.5       0.3         Nitration       Abs/cm       *ASTM D7844       >3       0.5       0.3       0.5         Nitration       Abs/cm       *ASTM D7642       >20       8.3       6.8         Sulfation       Abs/cm       *Visual       NONE       NONE       NONE       NONE         Debris       scalar       *Visual       NONE       NONE       NONE       NORE         Appearance       scalar       *Visual       NORM       NORML       NORML       NORML         Odor       scalar       *Visual       NORM       NORML       NORML       NORML         Emulsified Water       scalar       *Visual       NOR       NOR       NOR <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>CONTAMINATION</th>								CONTAMINATION	
Water         WC Method         >0.2         NEG         NEG           Glycol         WC Method         >0.2         NEG         NEG           Soot %         %         *ASTM D7844         >3         0.5         0.3         1           Nitration         Abs/cm         *ASTM D7844         >3         0.5         0.3         1           Nitration         Abs/cm         *ASTM D7844         >3         0.5         0.3         1           Sitt         scalar         *Visual         NORE         >20         8.3         6.8           Sulfation         Abs/cm         *ASTM D7415         >30         20.1         17.8         1           Sitt         scalar         *Visual         NONE         NONE         NONE         NONE           Debris         scalar         *Visual         NORE         NONE         NONE         NORE           Appearance         scalar         *Visual         NORM         NORML         NORML         NORML           Cdor         scalar         *Visual         NOR         NORML         NORML         NORML           Emulsified Water         scalar         *Visual         NOR         NORML         NORML						ррп		There is no indication of any contamination in the oil.	
Glycol         WC Method         NEG         NEG           Soot %         %         *ASTM D7844         >3         0.5         0.3         0.3           Nitration         Abs/cm         *ASTM D7624         >20         8.3         6.8           Sulfation         Abs/tm         *ASTM D7624         >20         8.3         6.8           Sulfation         Abs/tm         *ASTM D7415         >30         20.1         17.8           Silt         scalar         *Visual         NONE         NONE         NONE           Debris         scalar         *Visual         NONE         NONE         NONE           Sand/Dirt         scalar         *Visual         NONE         NONE         NONE           Appearance         scalar         *Visual         NORML         NORML         NORML           Odor         scalar         *Visual         NORML         NORML         NORML           Odor         scalar         *Visual         NOR         NORML         NORML           Distributionicates that there is suitable alkalinity remaining in the oil is suitable for further service.         Sodium         ppm         ASTM D5185m         2         20         18           Barium									
Soot %         %         *ASTM D7844         >3         0.5         0.3           Nitration         Abs/cm         *ASTM D7624         >20         8.3         6.8           Sulfation         Abs/tmm         *ASTM D7624         >20         8.3         6.8           Sulfation         Abs/tmm         *ASTM D715         >30         20.1         17.8           Silt         scalar         *Visual         NONE         NONE         NONE           Debris         scalar         *Visual         NONE         NONE         NONE           Sand/Dirt         scalar         *Visual         NONE         NORML         NORML           Appearance         scalar         *Visual         NORML         NORML         NORML           Odor         scalar         *Visual         NOR         NEG         NEG           Sodium         ppm         ASTM D5185m         2         0         <				20.2					
Nitration       Abs/cm       *ASTM D7624       >20       8.3       6.8         Sulfation       Abs/tm       *ASTM D7624       >30       20.1       17.8       1         Silt       scalar       *Visual       NONE       NORM				>3		%			
SulfationAbs/.tmm*ASTM D7415>3020.117.8Siltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMNORMLNORMLOdorscalar*VisualNORMNORMLNORMLOdorscalar*VisualNORMNORMLNORMLOdorscalar*VisualNORNORMLNORMLDebrisscalar*VisualNORMNORMLNORMLOdorscalar*VisualNORNORMLNORMLDebrisscalar*VisualNORNORMLNORMLOdorscalar*VisualNORNORMLNORMLDebrisscalar*VisualNORNORMLNORMLOdorscalar*VisualNORNORMLNORMLDebrisscalar*VisualNORNORMLNORMLOdorscalar*VisualNORNORNORMLDebrisscalar*VisualNORNORMLNORMLDebrisscalar*VisualNORNORMLNORMLDebrisscalar*VisualNORNORNORMLDebrisscalar*VisualNORNORNORMLBariumppmASTM D5185m06260MagnesiumppmASTM D5185m <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>									
Silt       scalar       *Visual       NONE       NORE       NOE       NOE									
Debrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMNORMLNORMLOdorscalar*VisualNORMNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*VisualNORNORMLNORMLFLUID CONDITIONSodiumppmASTM D5185m2NEGNEGThe BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.SodiumppmASTM D5185m22018BariumppmASTM D5185m06260010100101100101MagnesiumppmASTM D5185m0<1<1111311310991113									
Sand/Dirt       scalar       *Visual       NONE       NONE       NONE         Appearance       scalar       *Visual       NORML       NORML       NORML       NORML         Odor       scalar       *Visual       NORML       NORML       NORML       NORML       NORML         Emulsified Water       scalar       *Visual       NORML       >0.2       NEG       NEG       NEG         FLUID CONDITION       Sodium       ppm       ASTM D5185m       2       20       18       1         Magnesu       ppm       ASTM D5185m       0 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>									
Appearance       scalar       *Visual       NORML									
Odor       scalar       *Visual       NORML       <									
Emulsified Water       scalar       *Visual       >0.2       NEG         FLUID CONDITION       ppm       ASTM D5185m       2       0         The BN result indicates that there is suitable alkalinity remaining in the oil is suitable for further service.       Sodium       ppm       ASTM D5185m       2       20       18         Barium       ppm       ASTM D5185m       0 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>									
Boron       ppm       ASTM D5185m       2       20       18<		NEG	NEG		*Visual	scalar	Emulsified Water		
Boron       ppm       ASTM D5185m       2       20       18<		0	<b>9</b>		49TM D5195m		Sodium		
Barium       ppm       ASTM D5185m       0       0       0         Molybdenum       ppm       ASTM D5185m       50       62       60 <th></th> <th></th> <th></th> <th>2</th> <th></th> <th></th> <th></th> <th>FLOID CONDITION</th>				2				FLOID CONDITION	
Molybdenum       ppm       ASTM D5185m       50       62       60         Manganese       ppm       ASTM D5185m       0       <1       <1         Magnesium       ppm       ASTM D5185m       950       822       809          Calcium       ppm       ASTM D5185m       1050       1099       1113									
Manganese         ppm         ASTM D5185m         0         <1								oil. The condition of the oil is suitable for further service.	
Magnesium         ppm         ASTM D5185m         950         822         809           Calcium         ppm         ASTM D5185m         1050         1099         1113							-		
Calcium ppm ASTM D5185m 1050 1099 1113							•		
							•		
Zinc ppm ASTM D5185m 1180 1116 1105									
Sulfur         ppm         ASTM D5185m         2600         3149         2861									
Oxidation         Abs/.1mm         *ASTM D7414         >25         15.5         12.8									
Base Number (BN) mg KOH/g ASTM D2896 7.0 8.9									
Visc @ 100°C         cSt         ASTM D445         12.00         11.4         11.2				12.00					



Test Package : FLEET Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. mfried@transervice.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: Bill Kanzler Page 2 of 2

Contact: Marc Fried

T:

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