

## **GFL981 PETERBILT 914067 Diesel Engine** MOBIL DELVAC ELITE 15W40 (--- GAL)

## RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

## WEAR

Metal levels are typical for a new component breaking in.

## CONTAMINATION

Elevated aluminum (AI) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0111280		
Sample Date		Client Info		20 Mar 2024		
Machine Age	hrs	Client Info		582		
Oil Age	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		Changed		
Sample Status				NORMAL		

WEAR

CONTAMINATION

**FLUID CONDITION** 

NORMAL

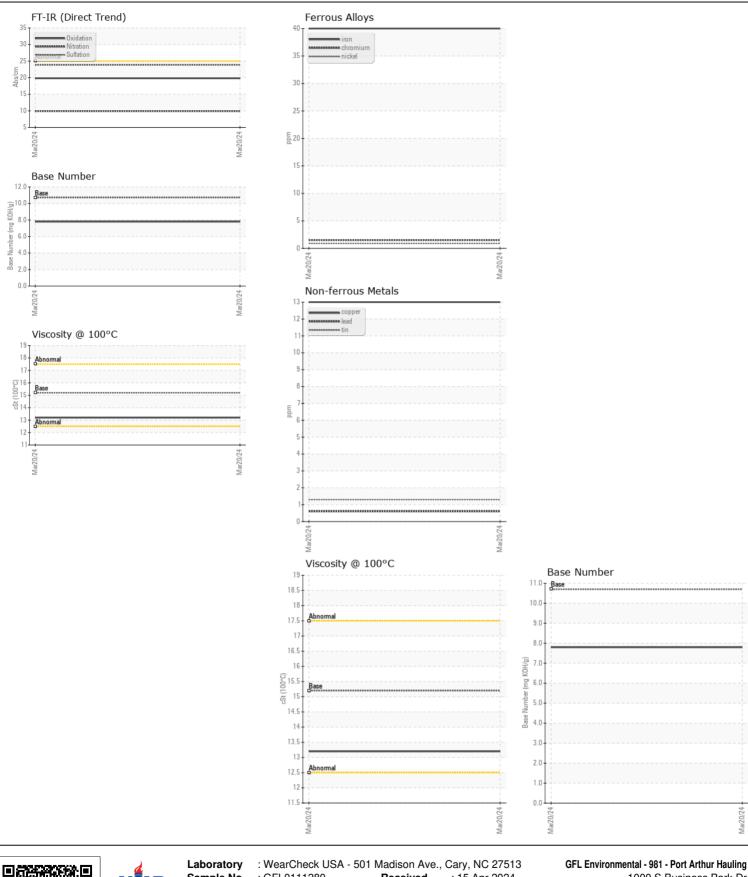
NORMAL

NORMAL

new	component b	leaking in.	

FLUID CONDITION	
The BN result indicates that there is oil. The condition of the oil is accepta	, ,

Filter Changed Sample Status  Client Info  Changed NORMAL      Iron  ppm  ASTM D5185m  >110  40      Iron  ppm  ASTM D5185m  >2  <1      Nickel  ppm  ASTM D5185m  >2  <1      Silver  ppm  ASTM D5185m  >2  0      Aluminum  ppm  ASTM D5185m  >2  0      Aluminum  ppm  ASTM D5185m  >4  1      Astm D5185m  >45  <1       Vanadium  ppm  ASTM D5185m  >45  1      Valoatium  ppm  ASTM D5185m  >40  1      Vanadium  ppm  ASTM D5185m  >20  253      Silicon  ppm  ASTM D5185m  >20  253	Oli Ollarigeu		Olient Into		Changeu		
Iron  ppm  ASTM D5185m  >110  40      Chromium  ppm  ASTM D5185m  >2  <1      Nickel  ppm  ASTM D5185m  >2  <1      Titanium  ppm  ASTM D5185m  >2  0      Aluminum  ppm  ASTM D5185m  >25  86      Aluminum  ppm  ASTM D5185m  >45  <1      Copper  ppm  ASTM D5185m  >45  1      Vanadium  ppm  ASTM D5185m  >4  1      Vanadium  ppm  ASTM D5185m  >30  21      Vanadium  ppm  ASTM D5185m  >20  253      Silicon  ppm  ASTM D5185m  >20  253      Silicon  ppm  ASTM	Filter Changed		Client Info		Changed		
Iron  ppm  ASTM D5185m  >110  40      Chromium  ppm  ASTM D5185m  >2  <1      Nickel  ppm  ASTM D5185m  >2  <1      Titanium  ppm  ASTM D5185m  >2  0      Aluminum  ppm  ASTM D5185m  >25  86      Aluminum  ppm  ASTM D5185m  >45  <1      Copper  ppm  ASTM D5185m  >45  1      Vanadium  ppm  ASTM D5185m  >4  1      Vanadium  ppm  ASTM D5185m  >30  21      Vanadium  ppm  ASTM D5185m  >20  253      Silicon  ppm  ASTM D5185m  >20  253      Silicon  ppm  ASTM	Sample Status				NORMAL		
Chromium  ppm  ASTM D5185m  >4  2      Nickel  ppm  ASTM D5185m  >2  <1      Silver  ppm  ASTM D5185m  >2  0      Aluminum  ppm  ASTM D5185m  >25  86      Lead  ppm  ASTM D5185m  >45  <1      Copper  ppm  ASTM D5185m  >4  1      Vanadium  ppm  ASTM D5185m  >4  1      Vanadium  ppm  ASTM D5185m  >4  1      Vanadium  ppm  ASTM D5185m  >30  21      Vellow Metal  scalar  *Visual  NONE      Silton  ppm  ASTM D5185m  >30  21      Soto %  %  *ASTM D5185m <t< th=""><th>· · · · · · · · · · · · · · · · · · ·</th><th></th><th></th><th></th><th></th><th></th><th></th></t<>	· · · · · · · · · · · · · · · · · · ·						
Nickel  ppm  ASTM D5185m  >2  <1	Iron	ppm	ASTM D5185m	>110	40		
Titanium  pm  ASTM D5185m  <1	Chromium	ppm	ASTM D5185m	>4	2		
Silver  ppm  ASTM D5185m  >2  0      Aluminum  ppm  ASTM D5185m  >25  86      Lead  ppm  ASTM D5185m  >45  <1      Copper  ppm  ASTM D5185m  >4  1      Vanadium  ppm  ASTM D5185m  >4  1      Vanadium  ppm  ASTM D5185m  >4  1      Vanadium  ppm  ASTM D5185m  >4  1      Vellow Metal  scalar  *Visual  NONE  NONE      Yellow Metal  scalar  *Visual  NONE  NONE      Silicon  ppm  ASTM D7644  >3  0.5      Giycol  WC Method  >0.2  NONE      Solifation  Abs/tmm  'ASTM D7624	Nickel	ppm	ASTM D5185m	>2	<1		
Aluminum  ppm  ASTM D5185m  >25  86      Lead  ppm  ASTM D5185m  >45  <1      Copper  ppm  ASTM D5185m  >45  11      Vanadium  ppm  ASTM D5185m  >4  1      Vanadium  ppm  ASTM D5185m  >4  1      Vanadium  ppm  ASTM D5185m  >4  1      Vanadium  ppm  ASTM D5185m  >30  21      Yellow Metal  scalar  *Visual  NONE       Silicon  ppm  ASTM D5185m  >30  21      Vater  WC Method  >0.2  NEG      Glycol  WC Method  >0.2  9.9      Soot %  %  YASTM D7844  >30	Titanium	ppm	ASTM D5185m		<1		
Lead  ppm  ASTM D5185m  >45  <1	Silver	ppm	ASTM D5185m	>2	0		
Copper  ppm  ASTM D5185m  >85  13      Tin  ppm  ASTM D5185m  >4  1      Vanadium  ppm  ASTM D5185m  <  <1      White Metal  scalar  *Visual  NONE  NONE      Yellow Metal  scalar  *Visual  NONE  NONE      Silicon  ppm  ASTM D5185m  >20  253      Potassium  ppm  ASTM D5185m  >20  253      Water  WC Method  >0.2  NEG       Soto %  %  *ASTM D7624  >20  9.9    Soto %  *ASTM D7151  >30  23.8    Soto %  *ASTM D7151  >30  23.8    Soto %  *ASTM D7151  >30  23.8	Aluminum	ppm	ASTM D5185m	>25	86		
Tin  ppm  ASTM D5185m  >4  1      Vanadium  ppm  ASTM D5185m  NONE      White Metal  scalar  *Visual  NONE  NONE     Yellow Metal  scalar  *Visual  NONE  NONE     Silicon  ppm  ASTM D5185m  >30  21      Potassium  ppm  ASTM D5185m  >30  21      Fuel  WC Method  >5  <1.0       Water  WC Method  >0.2  NEG      Soot %  %  *ASTM D7624  >20  9.9      Sulfation  Abs/:mm  *ASTM D7624  >20  9.9      Sulfation  Abs/:mm  *ASTM D7624  >20  9.9      Sulfation  Abs/:mm  *ASTM D7624  >20  9.0	Lead	ppm	ASTM D5185m	>45	<1		
Vanadium  ppm  ASTM D5185m  <1	Copper	ppm	ASTM D5185m	>85	13		
White Metal  scalar  *Visual  NONE  NONE     Yellow Metal  scalar  *Visual  NONE  NONE     Silicon  ppm  ASTM D5185m  >30  21     Potassium  ppm  ASTM D5185m  >20  253     Fuel  WC Method  >5  <1.0     Water  WC Method  >0.2  NEG     Glycol  WC Method  >0.2  NEG     Soot %  %  *ASTM D7844  >3  0.5     Nitration  Abs/.1mm  *ASTM D7415  >30  23.8     Sulfation  Abs/.1mm  *ASTM D7415  >30  23.8     Debris  scalar  *Visual  NONE  NONE     Sand/Dirt  scalar  *Visual  NORM  NORML     Appearance  scalar  *Visual  NORML  NORML     Godor <th>Tin</th> <th>ppm</th> <th>ASTM D5185m</th> <th>&gt;4</th> <th>1</th> <th></th> <th></th>	Tin	ppm	ASTM D5185m	>4	1		
Yellow Metal  scalar  *Visual  NONE  NONE      Silicon  ppm  ASTM D5185m  >30  21      Potassium  ppm  ASTM D5185m  >20  253      Fuel  WC Method  >5  <1.0      Water  WC Method  >0.2  NEG      Glycol  WC Method  >3  0.5      Soot %  %  *ASTM D7844  >3  0.5      Sulfation  Abs/cm< *ASTM D7624  >20  9.9      Sulfation  Abs/cm< *ASTM D7155  >30  23.8      Sulfation  Abs/cm< *Visual  NONE  NONE      Sulfation  scalar  *Visual  NORE  NORE      Sand/Dirt  scalar  *Visual  NORM  NORML	Vanadium	ppm	ASTM D5185m		<1		
Silicon  ppm  ASTM D5185m  >30  21      Potassium  ppm  ASTM D5185m  >20  253      Fuel  WC Method  >5  <1.0      Water  WC Method  >0.2  NEG      Glycol  WC Method  >0.2  NEG      Soot %  %  *ASTM D7844  >3  0.5      Soot %  %  *ASTM D7824  >20  9.9      Sulfation  Abs/cm< *ASTM D7624  >20  9.9      Sulfation  scalar  *Visual  NONE  NONE	White Metal	scalar	*Visual	NONE	NONE		
Silicon  ppm  ASTM D5185m  >30  21      Potassium  ppm  ASTM D5185m  >20  253      Fuel  WC Method  >5  <1.0      Water  WC Method  >0.2  NEG      Glycol  WC Method  >0.2  NEG      Soot %  %  *ASTM D7844  >3  0.5      Soot %  %  *ASTM D7824  >20  9.9      Sulfation  Abs/cm< *ASTM D7624  >20  9.9      Sulfation  scalar  *Visual  NONE  NONE	Yellow Metal	scalar	*Visual	NONE	NONE		
Potassium  ppm  ASTM D5185m  >20  253      Fuel  WC Method  >5  <1.0      Water  WC Method  >0.2  NEG      Glycol  WC Method  >0.2  NEG      Soot %  %  *ASTM D7844  >3  0.5      Soot %  %  *ASTM D7624  >20  9.9      Sulfation  Abs/m  *ASTM D7624  >20  9.9      Sulfation  Abs/m  *ASTM D7624  >20  9.9      Sulfation  Abs/m  *ASTM D7624  >20  9.0      Sulfation  kscalar  *Visual  NONE       Sulfation  scalar  *Visual  NORM  NORME      Appearance  scalar  *Visual  NORM  N							
Fuel  WC Method  >5  <1.0	Silicon	ppm	ASTM D5185m	>30	21		
Water  WC Method  >0.2  NEG     Glycol  WC Method  NEG      Soot %  %  *ASTM D7844  >3  0.5      Nitration  Abs/cm  *ASTM D7624  >20  9.9      Sulfation  Abs/cm  *ASTM D7624  >20  9.9      Sulfation  Abs/.1mm  *ASTM D7624  >20  9.9      Sulfation  Abs/.1mm  *ASTM D7624  >20  9.9      Sulfation  Abs/.1mm  *ASTM D7624  >20  9.9      Sulfation  Abs/cm  *ASTM D71518  >30  23.8      Sulfation  scalar  *Visual  NONE       Appearance  scalar  *Visual  NORML  NORML      Gotor  scalar  *Visual  NORML	Potassium	ppm	ASTM D5185m	>20	253		
GlycolWC MethodNEGSoot %%*ASTM D7844>30.5NitrationAbs/cm*ASTM D7624>209.9SulfationAbs/lm*ASTM D7415>3023.8Siltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLSodiumppmASTM D5185mS3BoronppmASTM D5185m3MalganeseppmASTM D5185mI3ManganeseppmASTM D5185mI6PhosphorusppmASTM D5185mI1553SulfurppmASTM D5185mI8966SulfurppmASTM D5185mI2839SulfurppmASTM D5185mI19.8SolumppmASTM D5185mI19.8MagnesiumppmASTM D5185mI19.8SulfurppmASTM D5185m	Fuel		WC Method	>5	<1.0		
Soot %  %  *ASTM D7844  >3  0.5      Nitration  Abs/cm  *ASTM D7624  >20  9.9      Sulfation  Abs/cm  *ASTM D7624  >20  9.9      Sulfation  Abs/tm  *ASTM D7624  >0  23.8      Debris  scalar  *Visual  NONE       Sand/Dirt  scalar  *Visual  NORML  NORML      Odor  scalar  *Visual  NORML  NORML      Sodium  ppm  ASTM D5185m  3      Boron  ppm	Water		WC Method	>0.2	NEG		
NitrationAbs/cm*ASTM D7624>209.9SulfationAbs/.1mm*ASTM D7415>3023.8Siltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLCodorscalar*VisualNORMLNORMLSodiumppmASTM D5185mS3BoronppmASTM D5185mI3MalganeseppmASTM D5185mI3MagnesiumppmASTM D5185mI6PhosphorusppmASTM D5185mI1553SulfurppmASTM D5185mI8966SulfurppmASTM D5185mI2839SulfurppmASTM D5185mI19.8SulfurppmASTM D5185mIISulfurppmASTM D5185mIIII<SulfurppmASTM D5185mIIII<I<-	Glycol		WC Method		NEG		
SulfationAbs/.1mm*ASTM D7415>3023.8Siltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLCodorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m3BoronppmASTM D5185m3MalganeseppmASTM D5185m6MagnesiumppmASTM D5185m1553PhosphorusppmASTM D5185m750SulfurppmASTM D5185m8966SulfurppmASTM D5185m2839SulfurppmASTM D5185m19.8SulfurppmASTM D5185m2839SulfurppmASTM D5185m19.8SulfurppmASTM D5185m19.8SulfurppmASTM D5185mSulf	Soot %	%	*ASTM D7844	>3	0.5		
Siltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLCdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m3BoronppmASTM D5185m3BariumppmASTM D5185m3MolybdenumppmASTM D5185m6MagnesiumppmASTM D5185m1553PhosphorusppmASTM D5185m8966SulfurppmASTM D5185m2839SulfurppmASTM D5185m19.8SulfurppmASTM D5185m2839SulfurppmASTM D281610.77.8Base Number (BN)mg KOHgASTM D289610.77.8	Nitration	Abs/cm	*ASTM D7624	>20	9.9		
Debrisscalar*VisualNONENONESand/Dirtscalar*VisualNORENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLCodorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m3BoronppmASTM D5185m3BariumppmASTM D5185m3MolybdenumppmASTM D5185m6MaganeseppmASTM D5185m66MagnesiumppmASTM D5185m1553PhosphorusppmASTM D5185m8966SulfurppmASTM D5185m2839SulfurppmASTM D5185m19.8SulfurppmASTM D5185m19.8SulfurppmASTM D5185m19.8SulfurppmASTM D5185m19.8SulfurppmASTM D5185mSulfurppmASTM D5185mSulfurppmASTM D5185mSul	Sulfation	Abs/.1mm	*ASTM D7415	>30	23.8		
Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Watescalar*Visual>0.2NEGSodiumppmASTM D5185mBoronppmASTM D5185m10209BariumppmASTM D5185m3MolybdenumppmASTM D5185m126MaganeseppmASTM D5185m66MagnesiumppmASTM D5185m1553PhosphorusppmASTM D5185m1553ZincppmASTM D5185m8966SulfurppmASTM D5185m2839SulfurppmASTM D5185m19.8SulfurppmASTM D5185m19.8SulfurppmASTM D5185m19.8SulfurppmASTM D5185mSulfurppmASTM D5185mSulfurppmASTM D5185mSulfurppmASTM D5185mBase Number (BN)ms (NH	Silt	scalar	*Visual	NONE	NONE		
Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Watescalar*Visual>0.2NEGSodiumppmASTM D5185mBoronppmASTM D5185m10209BariumppmASTM D5185m3MolybdenumppmASTM D5185m126MaganeseppmASTM D5185m66MagnesiumppmASTM D5185m1553PhosphorusppmASTM D5185m1553ZincppmASTM D5185m8966SulfurppmASTM D5185m2839SulfurppmASTM D5185m19.8SulfurppmASTM D5185m19.8SulfurppmASTM D5185m19.8SulfurppmASTM D5185mSulfurppmASTM D5185mSulfurppmASTM D5185mSulfurppmASTM D5185mBase Number (BN)ms (NH	Debris	scalar	*Visual	NONE	NONE		
Odorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m3BoronppmASTM D5185m209BariumppmASTM D5185m3MolybdenumppmASTM D5185m3ManganeseppmASTM D5185m66MagnesiumppmASTM D5185m66PhosphorusppmASTM D5185m1553ZincppmASTM D5185m5896SulfurppmASTM D5185m8966SulfurppmASTM D5185m28399DxidationAbs/.1mm*ASTM D28610.77.8	Sand/Dirt	scalar		NONE	NONE		
Odorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m3BoronppmASTM D5185m209BariumppmASTM D5185m3MolybdenumppmASTM D5185m3ManganeseppmASTM D5185m66MagnesiumppmASTM D5185m66PhosphorusppmASTM D5185m1553ZincppmASTM D5185m5896SulfurppmASTM D5185m8966SulfurppmASTM D5185m28399DxidationAbs/.1mm*ASTM D28610.77.8	Appearance	scalar	*Visual	NORML	NORML		
Emulsified Water  scalar  *Visual  >0.2  NEG     Sodium  ppm  ASTM D5185m  3      Boron  ppm  ASTM D5185m  209      Barium  ppm  ASTM D5185m  3      Molybdenum  ppm  ASTM D5185m  3      Manganese  ppm  ASTM D5185m  6      Magnesium  ppm  ASTM D5185m  66      Calcium  ppm  ASTM D5185m  1553      Phosphorus  ppm  ASTM D5185m  1553      Zinc  ppm  ASTM D5185m  896      Sulfur  ppm  ASTM D5185m  2839      Oxidation  Abs/.1mm  *ASTM D2896  10.7  7.8							
Sodium  ppm  ASTM D5185m  3      Boron  ppm  ASTM D5185m  209      Barium  ppm  ASTM D5185m  3      Molybdenum  ppm  ASTM D5185m  3      Manganese  ppm  ASTM D5185m  6      Magnesium  ppm  ASTM D5185m  6      Calcium  ppm  ASTM D5185m  1553      Phosphorus  ppm  ASTM D5185m  1553      Zinc  ppm  ASTM D5185m  896      Sulfur  ppm  ASTM D5185m  2839      Oxidation  Abs/.1mm  *ASTM D741  >25  19.8      Base Number (BN)  mg KOHy  ASTM D2896  10.7  7.8							
Boron  ppm  ASTM D5185m  209      Barium  ppm  ASTM D5185m  3      Molybdenum  ppm  ASTM D5185m  126      Manganese  ppm  ASTM D5185m  6      Magnesium  ppm  ASTM D5185m  6      Calcium  ppm  ASTM D5185m  1553      Phosphorus  ppm  ASTM D5185m  1553      Zinc  ppm  ASTM D5185m  896      Sulfur  ppm  ASTM D5185m  2839      Oxidation  Abs/.1mm  *ASTM D7414  >25  19.8      Base Number (BN)  mg KOHly  ASTM D2896  10.7  7.8							
Barium  ppm  ASTM D5185m  3     Molybdenum  ppm  ASTM D5185m  126      Manganese  ppm  ASTM D5185m  6      Magnesium  ppm  ASTM D5185m  723      Calcium  ppm  ASTM D5185m  1553      Phosphorus  ppm  ASTM D5185m  1553      Zinc  ppm  ASTM D5185m  896      Sulfur  ppm  ASTM D5185m  2839      Oxidation  Abs/.1mm  *ASTM D741  >25  19.8      Base Number (BN)  mg KOHy  ASTM D2896  10.7  7.8	Sodium	ppm	ASTM D5185m		3		
Molybdenum  ppm  ASTM D5185m  126      Manganese  ppm  ASTM D5185m  6      Magnesium  ppm  ASTM D5185m  6      Magnesium  ppm  ASTM D5185m  723      Calcium  ppm  ASTM D5185m  1553      Phosphorus  ppm  ASTM D5185m  750      Zinc  ppm  ASTM D5185m  896      Sulfur  ppm  ASTM D5185m  2839      Oxidation  Abs/.1mm  *ASTM D741  >25  19.8      Base Number (BN)  mg KOH/g  ASTM D2896  10.7  7.8	Boron	ppm	ASTM D5185m		209		
Manganese  ppm  ASTM D5185m  6     Magnesium  ppm  ASTM D5185m  723      Calcium  ppm  ASTM D5185m  1553      Phosphorus  ppm  ASTM D5185m  750      Zinc  ppm  ASTM D5185m  896      Sulfur  ppm  ASTM D5185m  2839      Oxidation  Abs/.1mm  *ASTM D7414  >25  19.8      Base Number (BN)  mg KOH/g  ASTM D2896  10.7  7.8	Barium	ppm	ASTM D5185m		3		
Manganese  ppm  ASTM D5185m  6     Magnesium  ppm  ASTM D5185m  723      Calcium  ppm  ASTM D5185m  1553      Phosphorus  ppm  ASTM D5185m  750      Zinc  ppm  ASTM D5185m  8966      Sulfur  ppm  ASTM D5185m  2839      Oxidation  Abs/.1mm  *ASTM D7414  >25  19.8      Base Number (BN)  mg KOHIg  ASTM D2896  10.7  7.8	Molybdenum		ASTM D5185m		126		
Magnesium  ppm  ASTM D5185m  723     Calcium  ppm  ASTM D5185m  1553     Phosphorus  ppm  ASTM D5185m  750     Zinc  ppm  ASTM D5185m  896     Sulfur  ppm  ASTM D5185m  2839     Oxidation  Abs/.1mm  *ASTM D7414  >25  19.8     Base Number (BN)  mg KOHlg  ASTM D2896  10.7  7.8	Manganese		ASTM D5185m		6		
Calcium  ppm  ASTM D5185m  1553     Phosphorus  ppm  ASTM D5185m  750     Zinc  ppm  ASTM D5185m  896     Sulfur  ppm  ASTM D5185m  2839     Oxidation  Abs/.1mm  *ASTM D7414  >25  19.8     Base Number (BN)  mg KOH/g  ASTM D2896  10.7  7.8	•		ASTM D5185m		723		
Phosphorus  ppm  ASTM D5185m  750     Zinc  ppm  ASTM D5185m  896      Sulfur  ppm  ASTM D5185m  2839      Oxidation  Abs/.1mm  *ASTM D7414  >25  19.8      Base Number (BN)  mg KOH/g  ASTM D2896  10.7  7.8	•				1553		
Zinc  ppm  ASTM D5185m  896      Sulfur  ppm  ASTM D5185m  2839      Oxidation  Abs/.1mm  *ASTM D7414  >25  19.8      Base Number (BN)  mg KOH/g  ASTM D2896  10.7  7.8							
Sulfur  ppm  ASTM D5185m  2839      Oxidation  Abs/.1mm  *ASTM D7414  >25  19.8      Base Number (BN)  mg KOH/g  ASTM D2896  10.7  7.8							
Oxidation  Abs/.1mm  *ASTM D7414  >25  19.8      Base Number (BN)  mg KOH/g  ASTM D2896  10.7  7.8	-						
Base Number (BN)  mg KOH/g  ASTM D2896  10.7  7.8				>25			
	( )	v v					
		001	AUTIM D44J	10.2	13.2	-	



Sample No. : GFL0111280 Received 1000 S Business Park Dr : 15 Apr 2024 Lab Number : 06148328 Tested Port Arthur, TX : 15 Apr 2024 Unique Number : 10978406 Diagnosed : 17 Apr 2024 - Sean Felton US 77640 Test Package : FLEET Contact: MICHAEL KAY Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. mkay@gflenv.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (336)660-9331 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: