

## **OIL ANALYSIS REPORT**

Sample Rating Trend





(BC93290) 512024

Component **Diesel Engine** 

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

Sample Number     Client Info     GFL0101061     GFL0092740     GFL0092740       Sample Date     Client Info     15 Feb 2024     31 Oct 2023     29 Aug 202       Machine Age     hrs     Client Info     2375     0     2375       Oil Age     hrs     Client Info     2375     0     0     0       Oil Changed     Client Info     N/A     N/A     N/A     Not Changed       Sample Status     Imbod     Imbod     NORMAL     NORMAL     NORMAL       VCOMHON     method     Imbod     Sample Status     NC Haton     NCR       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       Tron     ppm     ASTM 05185m     >80     17     10     14       Chromium     ppm     ASTM 05185m     >1     <1     0     0       Silver     ppm     ASTM	•		Auç	2023	Oct2023 Feb20	124	
Sample Date     Client Info     15 Feb 2024     31 Oct 2023     29 Aug 202       Machine Age     hrs     Client Info     2375     0     2375       Oil Age     hrs     Client Info     2375     0     0     0       Oil Changed     Client Info     NA     NA     NA     NORMAL     NORMAL       CONTAMINATION     method     imit/base     current     history1     history1       Fuel     WC Method     >5     <1.0     <1.0     <1.0       Ware     WC Method     >5     <1.0     <1.0     <1.0       Glycol     WC Method     NEG     NEG     NEG     NEG       WEAR METALS     method     imit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >5     <1     <1     <1     <1     <1     <1     <1     <1     <1     <1     <1     <1     <1     <1     <1     <1     <1     <1     <1     <1     <1     <1	SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Machine Age     hrs     Client Info     2375     0     2375       Oil Age     irrs     Client Info     2375     0     0       Oil Changed     Client Info     N/A     N/A     N/A     NoRMAL       Sample Status     Imit/base     current     Historyl     Historyl       Fuel     WC Method     >5     <1.0	Sample Number		Client Info		GFL0101061	GFL0092760	GFL0092748
Oil Age     hrs     Client Info     2375     0     0       Oil Changed     Client Info     N/A     N/A     N/A     Not Changed       Sample Status     Imitabase     current     history1     history2       Fuel     WC Method     >5     <1.0	Sample Date		Client Info		15 Feb 2024	31 Oct 2023	29 Aug 2023
Oil Changed     Client Info     N/A     N/A     N/A     Not Changed       Sample Status     Imit Participation     NORMAL     NORMAL     NORMAL     NORMAL     NORMAL       CONTAMINATION     method     Imit/base     current     history1     history2       Fuel     WC Method     >5     <1.0     <1.0     <1.0     <1.0       Water     WC Method     >5     <1.0     <1.0     NEG     NEG       Glycol     WC Method     >5     <1     <1.0     14     <1.0       Chromium     ppm     ASTM D5165m     >80     17     10     14     <1.0       Chromium     ppm     ASTM D5165m     >30     11     0     0     0       Alluminum     ppm     ASTM D5165m     >30     21     <1     <1     <1       Nord     ASTM D5165m     >30     21     <1     <1     <1       Nord     ASTM D5165m     >30     21     <1     <1     <1       Initinum	Machine Age	hrs	Client Info		2375	0	2375
Sample Status     NORMAL     NORMAL     NORMAL     NORMAL     NORMAL     NORMAL       CONTAMINATION     method     limit/base     current     history1     history1       Fuel     WC Method     >5     <1.0	Oil Age	hrs	Client Info		2375	0	0
CONTAMINATION     method     limit/base     current     history1     history2       Fuel     WC Method     >5     <1.0	Oil Changed		Client Info		N/A	N/A	Not Changd
Fuel     WC Method     >5     <1.0     <1.0     <1.0     <1.0       Water     WC Method     >0.2     NEG     NEG     NEG     NEG       Glycol     WC Method     NEG     NEG     NEG     NEG     NEG       WEAR METALS     method     limit/base     current     history1     history1       Iron     ppm     ASTM 05185m     >5     <1     <1     <1       Nickel     ppm     ASTM 05185m     >5     <1     <1     <1       Nickel     ppm     ASTM 05185m     >3     0     0     0       Silver     ppm     ASTM 05185m     >30     3     2     8       Lead     ppm     ASTM 05185m     >30     2     1     <1     <1       Vanadium     ppm     ASTM 05185m     >5     <1     <1     <1     <1       Vanadium     ppm     ASTM 05185m     0     0     0     0     0       Goron     ppm     ASTM 05185m	Sample Status				NORMAL	NORMAL	NORMAL
Water     WC Method     >0.2     NEG     NEG     NEG     NEG       Glycol     WC Method     NEG     NEG     NEG     NEG       WEAR METALS     method     limit/base     current     history1     history1       Iron     ppm     ASTM 05185m     >80     17     10     14       Chromium     ppm     ASTM 05185m     >2     0     0     0       Titanium     ppm     ASTM 05185m     >2     0     0     0       Silver     ppm     ASTM 05185m     >3     0     0     0       Aluminum     ppm     ASTM 05185m     >30     <1	CONTAMINAT	ION	method	limit/base	current	history1	history2
Giycol     WC Method     NEG     NEG     NEG       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >60     17     10     14       Chromium     ppm     ASTM D5185m     >5     <1	Fuel		WC Method	>5	<1.0	<1.0	<1.0
WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >80     17     10     14       Chromium     ppm     ASTM D5185m     >5     <1	Water		WC Method	>0.2	NEG	NEG	NEG
Iron     ppm     ASTM D5185m     >80     17     10     14       Chromium     ppm     ASTM D5185m     >5     <1	Glycol		WC Method		NEG	NEG	NEG
Chromium     ppm     ASTM D5185m     >5     <1     <1     <1       Nickel     ppm     ASTM D5185m     >2     0     0     0       Titanium     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >3     0     0     0       Aluminum     ppm     ASTM D5185m     >30     <1	WEAR METAL	S	method	limit/base	current	history1	history2
Nickel     ppm     ASTM D5185m     >2     0     0     0       Titanium     ppm     ASTM D5185m     <	Iron	ppm	ASTM D5185m	>80	17	10	14
Titanium     ppm     ASTM D5185m     <1     <1     <1     0       Silver     ppm     ASTM D5185m     >3     0     0     0       Aluminum     ppm     ASTM D5185m     >30     3     2     8       Lead     ppm     ASTM D5185m     >30     <1	Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Titanium     ppm     ASTM D5185m     <1     <1     <1     0       Silver     ppm     ASTM D5185m     >3     0     0     0       Aluminum     ppm     ASTM D5185m     >30     3     2     8       Lead     ppm     ASTM D5185m     >30     <1	Nickel	ppm	ASTM D5185m	>2	0	0	0
Aluminum     ppm     ASTM D5185m     >30     3     2     8       Lead     ppm     ASTM D5185m     >30     <1	Titanium	ppm	ASTM D5185m		<1	<1	0
Lead     ppm     ASTM D5185m     >30     <1     0     0       Copper     ppm     ASTM D5185m     >150     2     <1	Silver	ppm	ASTM D5185m	>3	0	0	0
Lead     ppm     ASTM D5185m     >30     <1     0     0       Copper     ppm     ASTM D5185m     >150     2     <1	Aluminum		ASTM D5185m	>30	3	2	8
Copper     ppm     ASTM D5185m     >150     2     <1     <1       Tin     ppm     ASTM D5185m     >5     <1	Lead		ASTM D5185m	>30	<1	0	0
Tin     ppm     ASTM D5185m     >5     <1     <1     <1     <1       Vanadium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     2     2     41       Boron     ppm     ASTM D5185m     0     2     2     41       Barium     ppm     ASTM D5185m     0     2     2     41       Barium     ppm     ASTM D5185m     0     0     0     0     0       Malybdenum     ppm     ASTM D5185m     0     21     <1     <1     <1       Magnesium     ppm     ASTM D5185m     0     <1     <1     <1     <1       Magnesium     ppm     ASTM D5185m     1010     879     967     568       Calcium     ppm     ASTM D5185m     1070     1046     1100     1617       Phosphorus     ppm     ASTM D5185m     1060     2707     2933     2858       CONTAMINANTS	Copper		ASTM D5185m	>150	2	<1	<1
Vanadium     ppm     ASTM D5185m     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     2     2     41       Barium     ppm     ASTM D5185m     0     0     0     0     0       Magnesium     ppm     ASTM D5185m     0     <1     <1     <1     <1       Magnesium     ppm     ASTM D5185m     0     <1     <1     <1     <1       Magnesium     ppm     ASTM D5185m     1010     879     967     568       Calcium     ppm     ASTM D5185m     1070     1046     1100     1617       Phosphorus     ppm     ASTM D5185m     1070     1123     1291     921       Sulfur     ppm     ASTM D5185m     200     2707     2933     2858       CONTAMINANTS     method <t< td=""><td>••</td><td></td><td></td><td></td><th></th><td>&lt;1</td><td>&lt;1</td></t<>	••					<1	<1
Cadmium     ppm     ASTM D5185m     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     2     2     41       Barium     ppm     ASTM D5185m     0     0     0     0     0       Molybdenum     ppm     ASTM D5185m     0     0     carrent     carrent     carrent     carrent     carrent     carrent     distory1     history2       Manganese     ppm     ASTM D5185m     0     carrent     carrent <thcarrent< th="">     carrent     <thcarrent< <="" td=""><td>Vanadium</td><td></td><td>ASTM D5185m</td><td></td><th></th><td>0</td><td>0</td></thcarrent<></thcarrent<>	Vanadium		ASTM D5185m			0	0
Boron     ppm     ASTM D5185m     0     2     2     41       Barium     ppm     ASTM D5185m     0     0     0     0       Molybdenum     ppm     ASTM D5185m     60     60     62     42       Manganese     ppm     ASTM D5185m     0     <1	Cadmium						
Barium     pm     ASTM D5185m     0     0     0     0       Molybdenum     ppm     ASTM D5185m     60     60     62     42       Manganese     ppm     ASTM D5185m     0     <1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum     ppm     ASTM D5185m     60     60     62     42       Manganese     ppm     ASTM D5185m     0     <1	Boron	ppm	ASTM D5185m	0	2	2	41
Manganese     ppm     ASTM D5185m     0     <1     <1     <1       Magnesium     ppm     ASTM D5185m     1010     879     967     568       Calcium     ppm     ASTM D5185m     1070     1046     1100     1617       Phosphorus     ppm     ASTM D5185m     1070     1046     1100     1617       Phosphorus     ppm     ASTM D5185m     1070     1046     1100     1617       Phosphorus     ppm     ASTM D5185m     1270     1123     1291     921       Sulfur     ppm     ASTM D5185m     2060     2707     2933     2858       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     4     3     6       Sodium     ppm     ASTM D5185m     >20     2     2     12       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D762	Barium	ppm	ASTM D5185m	0	0	0	0
Magnesium     ppm     ASTM D5185m     1010     879     967     568       Calcium     ppm     ASTM D5185m     1070     1046     1100     1617       Phosphorus     ppm     ASTM D5185m     1150     955     1140     757       Zinc     ppm     ASTM D5185m     1270     1123     1291     921       Sulfur     ppm     ASTM D5185m     2060     2707     2933     2858       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     4     3     6       Sodium     ppm     ASTM D5185m     >20     4     3     0       Potassium     ppm     ASTM D5185m     >20     2     12     12       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     0.5     0.3     0.3       Nitration     Abs/cm     *ASTM D7415	Molybdenum	ppm	ASTM D5185m	60	60	62	42
Magnesium     ppm     ASTM D5185m     1010     879     967     568       Calcium     ppm     ASTM D5185m     1070     1046     1100     1617       Phosphorus     ppm     ASTM D5185m     1150     955     1140     757       Zinc     ppm     ASTM D5185m     1270     1123     1291     921       Sulfur     ppm     ASTM D5185m     2060     2707     2933     2858       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     4     3     6       Sodium     ppm     ASTM D5185m     >20     4     3     6       Sodium     ppm     ASTM D5185m     >20     2     12     12       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     0.5     0.3     0.3       Nitration     Abs/cm     *ASTM D7624			ASTM D5185m	0	<1	<1	<1
Calcium     ppm     ASTM D5185m     1070     1046     1100     1617       Phosphorus     ppm     ASTM D5185m     1150     955     1140     757       Zinc     ppm     ASTM D5185m     1270     1123     1291     921       Sulfur     ppm     ASTM D5185m     2060     2707     2933     2858       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     4     3     6       Sodium     ppm     ASTM D5185m     >20     4     3     6       Sodium     ppm     ASTM D5185m     >20     2     2     12       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     0.5     0.3     0.3       Nitration     Abs/cm     *ASTM D7624     >20     8.6     6.8     8.2       Sulfation     Abs/.1mm     *ASTM D7415	Magnesium		ASTM D5185m	1010	879	967	568
Phosphorus     ppm     ASTM D5185m     1150     955     1140     757       Zinc     ppm     ASTM D5185m     1270     1123     1291     921       Sulfur     ppm     ASTM D5185m     2060     2707     2933     2858       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     4     3     6       Sodium     ppm     ASTM D5185m     >20     4     3     6       Sodium     ppm     ASTM D5185m     >20     4     3     6       Sodium     ppm     ASTM D5185m     >20     2     2     12       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     0.5     0.3     0.3       Nitration     Abs/cm     *ASTM D7624     >20     8.6     6.8     8.2       Sulfation     Abs/.tmm     *ASTM D7415     >30	-	ppm	ASTM D5185m	1070	1046	1100	1617
Zinc     ppm     ASTM D5185m     1270     1123     1291     921       Sulfur     ppm     ASTM D5185m     2060     2707     2933     2858       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     4     3     6       Sodium     ppm     ASTM D5185m     >20     4     3     6       Sodium     ppm     ASTM D5185m     >20     2     2     12       Potassium     ppm     ASTM D5185m     >20     2     2     12       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     0.5     0.3     0.3       Nitration     Abs/cm     *ASTM D7624     >20     8.6     6.8     8.2       Sulfation     Abs/.1mm     *ASTM D7415     >30     19.4     18.8     21.8       FLUID DEGRADATION     method     limit/base	Phosphorus			1150	955	1140	757
Sulfur     ppm     ASTM D5185m     2060     2707     2933     2858       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     4     3     6       Sodium     ppm     ASTM D5185m     >20     4     3     6       Potassium     ppm     ASTM D5185m     >20     2     2     12       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     0.5     0.3     0.3       Nitration     Abs/cm     *ASTM D7624     >20     8.6     6.8     8.2       Sulfation     Abs/.1mm     *ASTM D7415     >30     19.4     18.8     21.8       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     15.6     14.3     20.1			ASTM D5185m	1270	1123	1291	921
Silicon     ppm     ASTM D5185m     >20     4     3     6       Sodium     ppm     ASTM D5185m     7     1     20       Potassium     ppm     ASTM D5185m     >20     2     2     12       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     0.5     0.3     0.3       Nitration     Abs/cm     *ASTM D7624     >20     8.6     6.8     8.2       Sulfation     Abs/.tmm     *ASTM D7415     >30     19.4     18.8     21.8       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.tmm     *ASTM D7414     >25     15.6     14.3     20.1	Sulfur						2858
Sodium     ppm     ASTM D5185m     7     1     20       Potassium     ppm     ASTM D5185m<>20     2     2     12       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844<>3     0.5     0.3     0.3       Nitration     Abs/cm     *ASTM D7624<>20     8.6     6.8     8.2       Sulfation     Abs/.1mm     *ASTM D7415<>30     19.4     18.8     21.8       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414<>25     15.6     14.3     20.1	CONTAMINAN	TS	method	limit/base	current	history1	history2
Potassium     ppm     ASTM D5185m     >20     2     12       INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     0.5     0.3     0.3       Nitration     Abs/cm     *ASTM D7624     >20     8.6     6.8     8.2       Sulfation     Abs/.1mm     *ASTM D7415     >30     19.4     18.8     21.8       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     15.6     14.3     20.1	Silicon	ppm	ASTM D5185m	>20	4	3	6
INFRA-RED     method     limit/base     current     history1     history2       Soot %     %     *ASTM D7844     >3     0.5     0.3     0.3       Nitration     Abs/cm     *ASTM D7624     >20     8.6     6.8     8.2       Sulfation     Abs/.1mm     *ASTM D7415     >30     19.4     18.8     21.8       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     15.6     14.3     20.1	Sodium	ppm	ASTM D5185m		7	1	20
Soot %     %     *ASTM D7844     >3     0.5     0.3     0.3       Nitration     Abs/cm     *ASTM D7624     >20     8.6     6.8     8.2       Sulfation     Abs/.1mm     *ASTM D7415     >30     19.4     18.8     21.8       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     15.6     14.3     20.1	Potassium	ppm	ASTM D5185m	>20	2	2	12
Nitration     Abs/cm     *ASTM D7624     >20     8.6     6.8     8.2       Sulfation     Abs/.1mm     *ASTM D7415     >30     19.4     18.8     21.8       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     15.6     14.3     20.1	INFRA-RED		method	limit/base	current	history1	history2
Sulfation     Abs/.1mm     *ASTM D7415     >30     19.4     18.8     21.8       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     15.6     14.3     20.1	Soot %	%	*ASTM D7844	>3	0.5	0.3	0.3
Sulfation     Abs/.1mm     *ASTM D7415     >30     19.4     18.8     21.8       FLUID DEGRADATION     method     limit/base     current     history1     history2       Oxidation     Abs/.1mm     *ASTM D7414     >25     15.6     14.3     20.1	Nitration	Abs/cm	*ASTM D7624	>20	8.6	6.8	8.2
Oxidation Abs/.1mm *ASTM D7414 >25 <b>15.6</b> 14.3 20.1	Sulfation	Abs/.1mm	*ASTM D7415	>30		18.8	21.8
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Base Number (BN) mg KOH/g ASTM D2896 9.8 8.2 8.6 9.1	Oxidation	Abs/.1mm	*ASTM D7414	>25	15.6	14.3	20.1
	Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.2	8.6	9.1

## DIAGNOSIS Recommendation

Resample at the next service interval to mo

Fluid

#### Wear

All component wear rates are normal.

#### Contamination

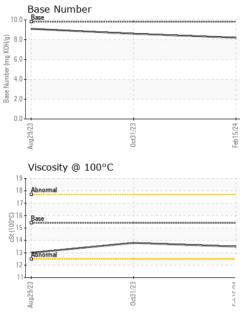
There is no indication of any contamination oil.

#### Fluid Condition

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



# **OIL ANALYSIS REPORT**



	VISUAL		method				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
0ct31/23	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Dott3	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	ERTIES	method	limit/base	current	history1	history2
	Visc @ 100°C	cSt	ASTM D445	15.4	13.5	13.8	13.0
	GRAPHS						
	Ferrous Alloys						
0ct31/23 -	16 - iron		/				
0ct31,	14 - nickel		/				
	E10	$\checkmark$					
	8						
	6						
	2						
	0		***************************************				
	Aug 29/23	0ct31/23		Feb15/24			
		_		笛			
	Non-ferrous Meta	ls					
	copper						
	8 -						
	tin						
	6						
	6- E						
	6 -						
	6 -						
	6			_			
		1/23		524			
	6	0ct31/23		Feb 15/24			
	Uiscosity @ 100°			Feb15/24	Base Number		
	Uiscosity @ 100%			ш.	Base Number	-	
	Uiscosity @ 100°			10.0	Base	-	
	6 4 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2			10.0	Base	-	
	6 4 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2			10.0	Base	-	
	6 4 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2			10.0	- Basse		
	Uiscosity @ 100° Base 0-00000000000000000000000000000000000			(0,10,00 (0,110,00 (0,110,00 (0,110,00 (0,110,00) (0,10	- Base 	-	
	6 4 2 0 CZR2Dhy Viscosity @ 100° 19 18 Abnomal 17 Cool)115 14			10.0 (D)HOX 5 GU 3 aq	- Base 	-	
	Uiscosity @ 100° Base Base Abnomal 17 13 4 4 4 2 0 CZR2Dary Base 10 10 10 10 10 10 10 10 10 10	C		10.0 (0)HOX 000 6.0 1400 4.0 1400 4.0 1			
	Uiscosity @ 100° Base Base Abnomal 17 13 4 4 4 2 0 CZR2Dary Base 10 10 10 10 10 10 10 10 10 10	C		10.0 (0)HOX 000 6.0 1400 4.0 1400 4.0 1			
	Uiscosity @ 100° Viscosity @ 100° base 17 base 14 13 12			10.0 (0)HOX but set set 2.0	- Base	0ct31/23	
Laboratory	Viscosity @ 100° Viscosity @ 100° Base Control 15 Control 15	C EZI(EPO D1 Madisc		10.0 (0)HOX BUI 36.0 (0)HOX BU		EZIEPPO vironmental - 419	
Sample No.	Viscosity @ 100%	C EZERPO D1 Madisco Recei	ived : 26	10.0 (PHO) Bull Bull Bull Bull Bull Bull Bull Bull		EZIEPPO vironmental - 419	• <b>Metro Sagina</b> 950 N Michiga
Sample No. Lab Number	Viscosity @ 100%	C EZI(250 D1 Madisc Recei Teste	ived : 26 ed : 27	, NC 27513 Feb 2024 Feb 2024	GFL En	EZIEPPO vironmental - 419	- <b>Metro Sagina</b> 950 N Michiga Saginaw, N
Sample No. Lab Number Unique Number	Viscosity @ 100% Viscosity @ 100% base Cooling	C EZI(250 D1 Madisc Recei Teste	ived : 26 ed : 27	10.0 (PHO) Bull Bull Bull Bull Bull Bull Bull Bull	GFL En	vironmental - 419	9 - Metro Sagina 950 N Michiga Saginaw, N US 4860
Sample No. Lab Number Unique Number	Viscosity @ 100% Viscosity @ 100% boots boots contact Customer Server	C D1 Madisco Recei Teste Diagr	ived : 26 ed : 27 nosed : 27 800-237-1369	, NC 27513 5 Feb 2024 7 Feb 2024 - W	GFL En	vironmental - 419 6 Contac jhin	- <b>Metro Sagina</b> 950 N Michiga Saginaw, I

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Submitted By: MARK WOMBLE