

# **OIL ANALYSIS REPORT**

Sample Rating Trend





Component

Diesel Engine

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

# DIAGNOSIS

#### Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

## Wear

All component wear rates are normal.

### Contamination

Insufficient sample was received to conduct all the routine laboratory tests. There is no indication of any contamination in the oil.

#### Fluid Condition

Additive levels indicate the condition of the oil is acceptable for the time in service.

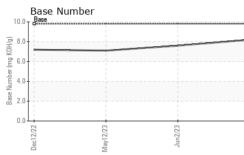
		Dec2022	May2023	Jun2023 Aug2023	Aug2023	
SAMPLE INFORM	<b>MATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0086367	GFL0086356	GFL0045425
Sample Date		Client Info		18 Aug 2023	07 Aug 2023	02 Jun 2023
Machine Age	hrs	Client Info		8056	7958	7543
Oil Age	hrs	Client Info		98	570	155
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>110	8	4	5
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>25	3	3	2
Lead	ppm	ASTM D5185m	>45	0	<1	0
Copper	ppm	ASTM D5185m	>85	<1	<1	0
Tin	ppm	ASTM D5185m	>4	<1	<1	1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	29	10	15
		ASTM D5185m	0	0	0	0
Barium	ppm	ASTIVI DJIOJIII				
	ppm ppm	ASTM D5185m	60	82	60	61
Molybdenum			60	82 <1	60 <1	61 <1
Molybdenum Manganese	ppm	ASTM D5185m	60			
Barium Molybdenum Manganese Magnesium Calcium	ppm ppm	ASTM D5185m ASTM D5185m	60 0	<1	<1	<1
Molybdenum Manganese Magnesium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	60 0 1010	<1 942	<1 952	<1 963
Molybdenum Manganese Magnesium Calcium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	60 0 1010 1070	<1 942 1127	<1 952 1082	<1 963 1116
Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	60 0 1010 1070 1150	<1 942 1127 1041	<1 952 1082 1017	<1 963 1116 1059
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	60 0 1010 1070 1150 1270	<1 942 1127 1041 1279	<1 952 1082 1017 1242	<1 963 1116 1059 1349
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	60 0 1010 1070 1150 1270 2060 limit/base	<1 942 1127 1041 1279 3920	<1 952 1082 1017 1242 3727	<1 963 1116 1059 1349 3892
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	60 0 1010 1070 1150 1270 2060 limit/base	<1 942 1127 1041 1279 3920 current	<1 952 1082 1017 1242 3727 history1	<1 963 1116 1059 1349 3892 history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm ppm ppm ppm ppm TS	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m <b>method</b>	60 0 1010 1070 1150 1270 2060 limit/base >30	<1 942 1127 1041 1279 3920 current 3	<1 952 1082 1017 1242 3727 history1 4	<1 963 1116 1059 1349 3892 history2 4
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	60 0 1010 1070 1150 1270 2060 limit/base >30	<1 942 1127 1041 1279 3920 current 3 3 3	<1 952 1082 1017 1242 3727 history1 4 1	<1 963 1116 1059 1349 3892 history2 4 <1
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	60 0 1010 1070 1150 1270 2060 <b>limit/base</b> >30	<1 942 1127 1041 1279 3920 current 3 3 3 8	<1 952 1082 1017 1242 3727 <u>history1</u> 4 1 3	<1 963 1116 1059 1349 3892 history2 4 <1 4
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	60 0 1010 1070 1150 1270 2060 <b>limit/base</b> >30 >20	<1 942 1127 1041 1279 3920 current 3 3 8 8 current	<1 952 1082 1017 1242 3727 history1 4 1 3 8 history1	<1 963 1116 1059 1349 3892 history2 4 <1 4 ×1 4 history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot %	ppm	ASTM D5185m ASTM D5185m	60 0 1010 1070 1150 1270 2060 <b>limit/base</b> >30 20 <b>limit/base</b> >3	<1 942 1127 1041 1279 3920 current 3 3 8 current	<1 952 1082 1017 1242 3727 history1 4 1 3 <u>history1</u> 0.2	<1 963 1116 1059 1349 3892 history2 4 <1 4 <1 4 3
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm ppm ppm ppm ppm rS ppm ppm ppm ppm ppm spm	ASTM D5185m ASTM D5185m	60 0 1010 1070 1150 1270 2060 <b>limit/base</b> >30 220 <b>limit/base</b> >3 >20	<1 942 1127 1041 1279 3920 current 3 3 3 8 current 	<1 952 1082 1017 1242 3727 history1 4 1 3 history1 0.2 5.8	<1 963 1116 1059 1349 3892 history2 4 <1 4 <1 4 0.3 6.5
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm ppm ppm ppm rS ppm ppm ppm ppm ppm spm	ASTM D5185m ASTM D5185m	60 0 1010 1070 1150 1270 2060 imit/base >30 20 imit/base >3 >20 >3	<1 942 1127 1041 1279 3920 current 3 3 3 8 current 	<1 952 1082 1017 1242 3727 history1 4 1 3 <u>history1</u> 0.2 5.8 18.1	<1 963 1116 1059 1349 3892 history2 4 <1 4 <1 4 <b>history2</b> 0.3 6.5 19.3



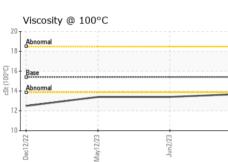
# **OIL ANALYSIS REPORT**

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

VISUAL



		VISUAL		method	limit/base	current	history1	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
Jun2/23	Aug7/23	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
h	Aud	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		13.7	13.4
		GRAPHS						
		Ferrous Alloys						
		40 ar		1				
		35 - chromium						
				1				
		25 E 20						
		튭 20						
 		15-						
		10						
		5	Shannan ( ) and a same					
		122		//23 .	3/23			
		Dec12/22 May12/23	Jun2/23	Aug7/23	Aug18/23			
		Non-ferrous Meta	als					
Jun2/23 .	- - - 	<sup>10</sup> T						
lun	5	copper						
		8 tin		1				
		6-						
		Шdd						
		4						
		2						
			~					
		Research and a statement			Constant of the local division of the local			
					c7			
		c12/22	un2/2:	ug7/2;	g18/23			
		Dec12/22	Jun2/23	Aug7/23	Aug18/23			
		Viscosity @ 100°		Aug7/2		Base Number		
		Viscosity @ 100°		Aug7/2:		Base Number		
		Viscosity @ 100°		Aug7/2	10.0	Base		
		Viscosity @ 100°		Aug7/2:	10.0	Base		
		Viscosity @ 100°		Aug7/2	10.0	Base		
		Viscosity @ 100° <sup>20</sup> <sup>19</sup> <sup>4bnomal</sup> <sup>17</sup> <sup>16</sup> <sup>17</sup> <sup>16</sup> <sup>16</sup> <sup>17</sup> <sup>19</sup> <sup>18</sup>		Aug72	10.0	Base		
		Viscosity @ 100° <sup>20</sup> <sup>4</sup> <sup>4</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>1</sup>		27(puk	10.0	Base		
		Viscosity @ 100° abnomal Base Base bhoomal 13		Aug/27	0.0 8.0 H(d) 0.0 pet	Base		
		Viscosity @ 100° <sup>20</sup> <sup>4</sup> <sup>4</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>1</sup>		Aug/27	10.0 (6)(HOX) B(L) (0)(HOX) B(	Base		
		Viscosity @ 100°			10.0 (0)HO0 Bull Jack 4.0 8.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9	Base	23	
		Viscosity @ 100°		Jun223 Aug7/2:	10.0 (6)(HOX) B(L) (0)(HOX) B(	Base	May 2/23	
THE STATE	Laboratory Sample No. Lab Number Unique Numbe Test Package	Viscosity @ 100° 20 10 10 10 10 10 10 10 10 10 1	501 Madia Received Diagnose	son Ave., Ca d : 23 / ed : 27 / ician : Dou	10.0 8.0 (D)(HO) 9898 Junper (Jun) 8989 Jun	Base	≃ onmental - 867 - Traff 1130 (	



Submitted By: see also GFL868 - Chelsea Bryan

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