

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id Or1978 Component Front Left Final Drive Fluid

PETRO CANADA TRAXON XL SYN BLEND 80W140 (11 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

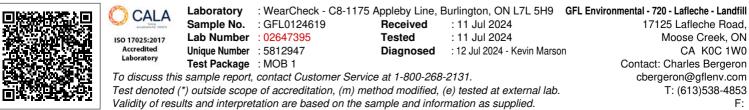
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0124619		
Sample Date		Client Info		05 Jul 2024		
Machine Age	hrs	Client Info		5116		
Oil Age	hrs	Client Info		5116		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	232		
Chromium	ppm	ASTM D5185(m)	>10	1		
Nickel	ppm	ASTM D5185(m)	>10	<1		
Titanium	ppm	ASTM D5185(m)		1		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>25	15		
Lead	ppm	ASTM D5185(m)	>25	0		
Copper	ppm	ASTM D5185(m)	>50	3		
Tin	ppm	ASTM D5185(m)	>10	0		
Antimony	ppm	ASTM D5185(m)	>5	<1		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	246	226		
Barium	ppm	ASTM D5185(m)	1	<1		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		2		
Magnesium	ppm	ASTM D5185(m)	1	5		
Calcium	ppm	ASTM D5185(m)	2	80		
Phosphorus	ppm	ASTM D5185(m)	976	1083		
Zinc	ppm	ASTM D5185(m)	3	13		
Sulfur	ppm	ASTM D5185(m)	15600	20777		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	94		
Sodium	ppm	ASTM D5185(m)		3		
Potassium	ppm	ASTM D5185(m)	>20	4		



OIL ANALYSIS REPORT

320	normal	 	 	
300				
280				
ි 260 - සූ ත් 240 -	CA			
00	~~	 	 	
5 240				
220				
200 -	normal			
200 - 4		 	 	
180				
Jul5/24				

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	LIGHT		
Yellow Metal	scalar	Visual*	NONE	NONE		
Precipitate	scalar	Visual*	NONE	NONE		
Silt	scalar	Visual*	NONE	VLITE		
Debris	scalar	Visual*	NONE	NONE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
Emulsified Water	scalar	Visual*	>0.2	NEG		
Free Water	scalar	Visual*		NEG		
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	253.0	316		
SAMPLE IMAG	iES	method	limit/base	current	history1	history2
Color			101		no image	no image
					no mago	no inago
Bottom					no image	no image
GRAPHS						
Iron (ppm)				Lead (ppm)		
00 Severe			150	T 2		
00			E 100	Severe		
Abhormai			- 50- 0-	Abnormal		
Jul5/24 0			Jul5/24	Jul5/24		
Jul			Jul	Jul		
Aluminum (ppm)				Chromium (pp	m)	
			30-		,	
⁵⁰ T				Severe		
50 00 Severe						
50 - Severe 00 - Abnormal			툍 ²⁰	Abnormal		
50 00 50 0 0 0				Abnormal		
50 - Severe 00 - Abnormal			툍 ²⁰			
Copper (ppm)			#20 #d 10 #72/SINF	Abnormal		
50 Severe Abnormal 0 +2/ Severe 			4720 4 4 700 4 700 4 700 4 700 4 700 4 700 4 700 4 700 4 700 700	Jul5/24		
Copper (ppm)			472551 477551 4775551 4775551 477551 4775551 4775551 4775551 477555551 47755557	Abnormal		
Copper (ppm)			420 10. 472 52 50 70 70 70 70 70 70 70 70 70 70 70 70 70	Abnormal		
Copper (ppm)			4200 472/sinf	Abnormal Silicon (ppm) Severe		
Copper (ppm)			4720 470 470 470 470 470 470 470 470 470 47	Abnormal		
Copper (ppm)			42/300 42/300 42/300 42/300 60 42/300 0	Abnormal Silicon (ppm) Severe		
Copper (ppm)			4703lin 4702lin 470	Abnormal Silicon (ppm)		
Copper (ppm)			420 40 40 40 40 40 40 40 40 40 4	Abnormal Silicon (ppm)		
Copper (ppm)			4703lin 4702lin 470	Abnormal Silicon (ppm)		
Copper (ppm)			420 40 40 40 40 40 40 40 40 40 4	Abnormal Silicon (ppm)		



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Submitted By: Charles Bergeron Page 2 of 2

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