

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id Or1982 Component Front Left Planetary Fluid PETRO CANADA TRAXON XL SYN BLEND 80W140 (2 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.

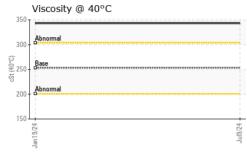
Fluid Condition

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		GFL0124595	GFL0092285	
Sample Date		Client Info		09 Jul 2024	19 Jan 2024	
Machine Age	hrs	Client Info		10000	9642	
Oil Age	hrs	Client Info		10000	500	
Oil Changed		Client Info		Changed	Not Changd	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	51	53	
Chromium	ppm	ASTM D5185(m)	>10	<1	<1	
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)		0	0	
Aluminum	ppm	ASTM D5185(m)	>25	<1	<1	
Lead	ppm	ASTM D5185(m)	>25	4	4	
Copper	ppm	ASTM D5185(m)	>75	40	36	
Tin	ppm	ASTM D5185(m)	>10	5	4	
Antimony	ppm	ASTM D5185(m)	>5	15	15	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	246	172	176	
Barium	ppm	ASTM D5185(m)	1	0	0	
Molybdenum	ppm	ASTM D5185(m)		0	0	
Manganese	ppm	ASTM D5185(m)		<1	0	
Magnesium	ppm	ASTM D5185(m)	1	<1	0	
Calcium	ppm	ASTM D5185(m)	2	4	3	
Phosphorus	ppm	ASTM D5185(m)	976	959	975	
Zinc	ppm	ASTM D5185(m)	3	6	5	
Sulfur	ppm	ASTM D5185(m)	15600	16547	16670	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	7	7	
Sodium	ppm	ASTM D5185(m)		<1	<1	
Potassium	ppm	ASTM D5185(m)	>20	0	<1	



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	VISUAL		method	limit/base	current	history1	history2
	White Metal	scalar	Visual*	NONE	LIGHT	NONE	
	Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
	Precipitate	scalar	Visual*	NONE	NONE	NONE	
	Silt	scalar	Visual*	NONE	NONE	NONE	
	Debris	scalar	Visual*	NONE	NONE	NONE	
	Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	
Jul9/24 -	Appearance	scalar	Visual*	NORML	NORML	NORML	
٦٢	Odor	scalar	Visual*	NORML	NORML	NORML	
	Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	
	Free Water	scalar	Visual*		NEG	NEG	
	FLUID PROPE	RTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D7279(m)	253.0	343	343	
	SAMPLE IMAG	GES	method	limit/base	current	history1	history2
	Color						no image
	Bottom						no image
	GRAPHS						
	Iron (ppm)				Lead (ppm)		
	2000 Severe			150	Courses.		
	1000 - Abnormal			E 100			
	0 L			(
	Jan 19/24			Jul9/24	Jan 19/24		Jul9/24
	Aluminum (ppm)				∹ Chromium (p	pm)	
	100 Severe			30	⁰ Severe		
	§ 50			E ²⁰	Abnormal		
	Abnormal			- 10	1		
	Jan 19/24 -			Jul9/24 -	Jan 19/24 -		Jul9/24 -
				7			ت ت
	Copper (ppm)			300			
	E 100 - Abnormal			²⁰⁰	0 - Severe		
	-				•		
	74 10 14			724			/24
	Jan 1 9/2 4			Jul9/24	Jan 19/24		Jul9/24
	Viscosity @ 40°C			1500	Additives		
	S 300 Base				C		
	300 - Base 정 200 - Posse 정 200 - Posse			트 ¹⁰⁰⁰ 500	D - zinc	S	
	100						
	Jan 19/24			Jul9/24	Jan 19/24		Jul9/24
	ل م			-	С Ч		,
Laboratory	: WearCheck - C8-117				L 5H9 GFL Env	ironmental - 720 - I	
Sample No.	: GFL0124595	Rece Teste		Jul 2024			Lafleche Road,
Lab Number	: 02647417			Jul 2024 Jul 2024 - W		IVIO	OSE Creek, ON

: 11 Jul 2024 - Wes Davis

 Test Package
 : MOB 1

 To discuss this sample report, contact Customer Service at 1-800-268-2131.

 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

 Validity of results and interpretation are based on the sample and information as supplied.

Diagnosed

Unique Number : 5812969

Moose Creek, ON CA K0C 1W0 Contact: Charles Bergeron cbergeron@gflenv.com T: (613)538-4853 F: Submitted By: Charles Bergeron

Report Id: GFL720 [WCAMIS] 02647417 (Generated: 07/11/2024 15:31:22) Rev: 1

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Page 2 of 2