

OIL ANALYSIS REPORT

Sample Rating Trend



EX0356

Component Rear Right Final Drive Fluid

PETRO CANADA TRAXON E SYNTHETIC 80W-140 (6 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.

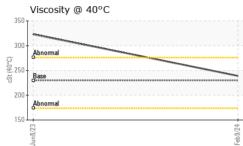
Fluid Condition

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

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0092330	GFL0056446	
Sample Date		Client Info		09 Feb 2024	08 Jun 2023	
Machine Age	hrs	Client Info		5123	3797	
Oil Age	hrs	Client Info		1326	2000	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	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	227	272	
Chromium	ppm	ASTM D5185(m)	>10	3	6	
Nickel	ppm	ASTM D5185(m)	>10	4	2	
Titanium	ppm	ASTM D5185(m)		0	3	
Silver	ppm	ASTM D5185(m)		0	0	
Aluminum	ppm	ASTM D5185(m)	>25	15	55	
Lead	ppm	ASTM D5185(m)	>25	0	<1	
Copper	ppm	ASTM D5185(m)	>50	2	<1	
Tin	ppm	ASTM D5185(m)	>10	0	0	
Antimony	ppm	ASTM D5185(m)	>5	0	5	
Vanadium	ppm	ASTM D5185(m)		0	<1	
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)	202	214	213	
Barium	ppm	ASTM D5185(m)	<1	0	<1	
Molybdenum	ppm	ASTM D5185(m)		0	0	
Manganese	ppm	ASTM D5185(m)		3	5	
Magnesium	ppm	ASTM D5185(m)	<1	5	13	
Calcium	ppm	ASTM D5185(m)		29	59	
Phosphorus	ppm	ASTM D5185(m)	1209	991	1223	
Zinc	ppm	ASTM D5185(m)	1	12	4	
Sulfur	ppm	ASTM D5185(m)	20439	17198	22415	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	64	241	
Sodium	ppm	ASTM D5185(m)		4	15	
Potassium	ppm	ASTM D5185(m)	>20	8	19	



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			method	limit/base	current	history1	history2
	White Metal	scalar	Visual*	NONE	NONE	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	
	Appearance	scalar	Visual*	NORML	NORML	NORML	
	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)	230	239	323	
	SAMPLE IMAG	GES	method	limit/base	current	history1	history2
	Color						no image
	Bottom						no image
	GRAPHS	-		_			
	Iron (ppm)				Lead (ppm)		
	2000 Severe			150	Τ		
maa	2000 Severe			E ¹⁰⁰	Severe		
maa	2000 Severe			E 100-	Τ		
maa	2000 Severe Abnormal			E 100-	Abnormal		
maa	2000 - Severe 1000 - Abnormal 0 - EZ Regenere Regener			E 100	Severe Abnormal	nom)	
	2000 2000 Abnormal 0 Aluminum (ppm) 150			E 100-	Abnormal	opm)	
	2000 2000 Abnormal 0 Aluminum (ppm) 150			en100. 50. 0. 30. 30.	Abnomal Abnomal Chromium (p	opm)	
	Aluminum (ppm)			42/6994 30. 42/6994 30. 42/6994 30. 420. 410.	Severe Abnormal	opm)	
	Aluminum (ppm)			100 E 100 E 20 E 20	Abnormal Abnormal Chromium (p	opm)	
	Aluminum (ppm)			42/6994 30. 42/6994 30. 42/6994 30. 420. 410.	Abnomal Abnomal Chromium (p	opm)	
	Aluminum (ppm)			100 E 100 E 20 E 20	Chromium (p		
	Aluminum (ppm)			100 E 100 E 20 E 20	Abnormal Abnormal Chromium (p		
	Aluminum (ppm)			100. 400 400 400 400 400 400 400	Silicon (ppm)		
	Aluminum (ppm)			100. 400 400 400 400 400 400 400	Chromium (p		
	Aluminum (ppm)			300 Ed 100 Ed 200 Ed 200 E	Severe Abnormal Chromium (p Severe Abnormal Silicon (ppm) Severe		
	Aluminum (ppm)			100. 400 400 400 400 400 400 400	Silicon (ppm) Silicon (ppm)		
	Aluminum (ppm)			42/6 gp 42/6 gp 42/	Severe Abnormal Chromium (p Severe Abnormal Silicon (ppm) Severe		
	Aluminum (ppm)			300 4206 4206 4206 4206 4206 4200 4000 4	Abnomal Chromium (p Severe Abnomal Silicon (ppm) Silicon (ppm) Abnomal Chroma		
	Aluminum (ppm)			42/6 gp 42/6 gp 42/	Silicon (ppm) Silicon (ppm)		
	Aluminum (ppm)			4206 pg 4206 pg 4206 pg 4206 pg 4200 pg 420	Additives		

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.

CALA

ISO 17025:2017 Accredited Laboratory

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F: