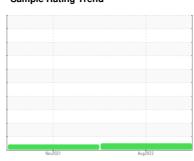


OIL ANALYSIS REPORT

Sample Rating Trend







OR1022

Component

Front Differential

PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

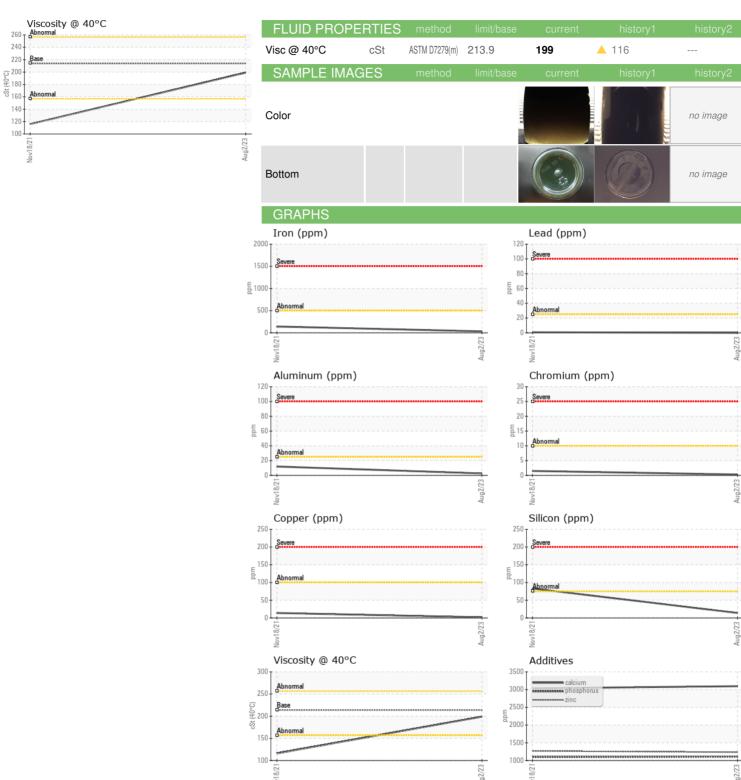
Fluid Condition

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

(GAL)			N 7000	4 2022		
` '	MATION	l madda a d	Novž021	Aug2023	late to a second	histor O
SAMPLE INFORM	MATION		limit/base	current	history1	history2
Sample Number		Client Info		GFL0087364	GFL0030484	
Sample Date		Client Info		02 Aug 2023	18 Nov 2021	
Machine Age	hrs	Client Info		14483	13151	
Oil Age	hrs	Client Info		1882	2000	
Oil Changed		Client Info		Not Changd	Changed	
Sample Status				NORMAL	ABNORMAL	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	33	142	
Chromium	ppm	ASTM D5185(m)	>10	<1	2	
Nickel	ppm	ASTM D5185(m)	>10	0	<1	
Titanium	ppm	ASTM D5185(m)		<1	<1	
Silver	ppm	ASTM D5185(m)		0	<1	
Aluminum	ppm	ASTM D5185(m)	>25	3	12	
Lead	ppm	ASTM D5185(m)	>25	0	<1	
Copper	ppm	ASTM D5185(m)	>100	2	14	
Tin	ppm	ASTM D5185(m)	>10	0	0	
Antimony	ppm	ASTM D5185(m)	>5	0	<1	
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)	2	<1	2	
Barium	ppm	ASTM D5185(m)	0	0	<1	
Molybdenum	ppm	ASTM D5185(m)	0	<1	1	
Manganese	ppm	ASTM D5185(m)	0	<1	3	
Magnesium	ppm	ASTM D5185(m)	9	11	17	
Calcium	ppm	ASTM D5185(m)	3114	3096	3036	
Phosphorus	ppm	ASTM D5185(m)	1099	1109	1098	
Zinc	ppm	ASTM D5185(m)	1245	1234	1268	
Sulfur	ppm	ASTM D5185(m)	7086	12172	8497	
Lithium	ppm	ASTM D5185(m)		<1	1	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	14	83	
Sodium	ppm	ASTM D5185(m)		<1	5	
Potassium	ppm	ASTM D5185(m)	>20	1	4	
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	VLITE	
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
Precipitate	scalar	Visual*	NONE	NONE	NONE	
Silt	scalar	Visual*	NONE	NONE	VLITE	
Debris	scalar	Visual*	NONE	NONE	VLITE	
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	
Appearance	scalar	Visual*	NORML	NORML	NORML	
Odor		Visual*	NORML	NORML	NORML	
	scalar					
Emulsified Water	scalar	Visual*	>.2	NEG	NEG	
Free Water	scalar	Visual*		NEG	NEG Submitted By: C	harles Bergeron



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number **Unique Number**

: GFL0087364 : 02575433 : 5620484 Test Package : MOB 1

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 720 - Lafleche - Landfill Received : 11 Aug 2023 : 11 Aug 2023 Diagnosed

Diagnostician : Wes Davis

17125 Lafleche Road, Moose Creek, ON CA K0C 1W0 Contact: Charles Bergeron cbergeron@gflenv.com T: (613)538-4853

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.