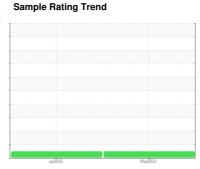


OIL ANALYSIS REPORT



Rear Differential

PETRO CANADA PRODURO FD-1 60 (83 LTR)





DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. 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.

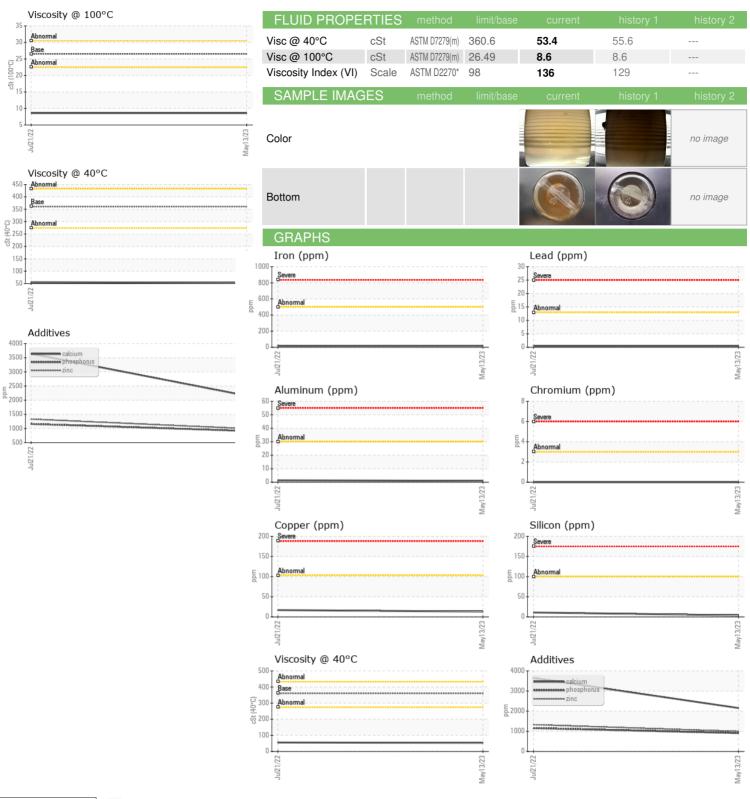
Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within SAE 20 range, advise investigate. The condition of the oil is acceptable for the time in service.

OURO FD-1 60 (8	33 LTR)		Jul2022	May2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PC0051407	PC0048836	
Sample Date		Client Info		13 May 2023	21 Jul 2022	
Machine Age	hrs	Client Info		6383	4116	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
WEAR METAL	_S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185(m)	>500	17	19	
Chromium	ppm	ASTM D5185(m)	>3	0	0	
Nickel	ppm	ASTM D5185(m)	>3	0	0	
Titanium	ppm	ASTM D5185(m)	>2	0	<1	
Silver	ppm	ASTM D5185(m)	>2	0	0	
Aluminum	ppm	ASTM D5185(m)	>30	1	1	
Lead	ppm	ASTM D5185(m)	>13	<1	<1	
Copper	ppm	ASTM D5185(m)	>103	13	17	
Tin	ppm	ASTM D5185(m)	>5	<1	<1	
Antimony	ppm	ASTM D5185(m)	>5	0	0	
Vanadium	ppm	ASTM D5185(m)	, 0	0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185(m)	92	5	102	
Barium	ppm	ASTM D5185(m)		0	0	
Molybdenum	ppm	ASTM D5185(m)	0	<1	<1	
Manganese	ppm	ASTM D5185(m)		<1	<1	
Magnesium	ppm	ASTM D5185(m)	0	13	19	
Calcium	ppm	ASTM D5185(m)	283	2155	3639	
Phosphorus	ppm	ASTM D5185(m)	306	911	1161	
Zinc	ppm	ASTM D5185(m)		995	1330	
Sulfur	ppm	ASTM D5185(m)	9080	3481	3127	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185(m)	>100	4	11	
Sodium	ppm	ASTM D5185(m)	7.00	<1	1	
Potassium	ppm	ASTM D5185(m)	>20	2	<1	
VISUAL		method	limit/base	current	history 1	history 2
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	VLITE	
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	
Appearance	scalar	Visual*	NORML	NORML	NORML	
Odor	scalar	Visual*	NORML	NORML	NORML	
Emulsified Water	scalar	Visual*	>.2	NEG	NEG	
Free Water	scalar	Visual*		NEG	NEG	
40:04) Rev: 1	Scalal	Visual		ILG		Sv: Luc Beland



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

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

: PC0051407

: 5604899

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : 02567853

Received Diagnosed Diagnostician : Kevin Marson

: 04 Jul 2023

: 05 Jul 2023

Test Package : MOB 1 (Additional Tests: KV100, VI) 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.

Lakeshore Gold Timmins West

Timmins, ON CA

Contact: Adam Koscielak adam.koscielak@HFSinclair.com

> T: F: