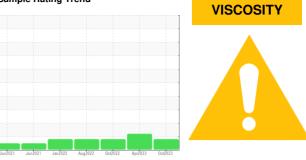


OIL ANALYSIS REPORT

Sample Rating Trend



Area Loader **SRF0110** Component **Front Axle** Fluid

PETRO CANADA PRODURO TO-4 SAE 30 (84 LTR)

DIAGNOSIS	SAMPLE INFORM		method	limit/base	current	history1	history2
				mmubase			
A Recommendation	Sample Number		Client Info		PC0051327 23 Oct 2023	PC0067283	PC0050997
Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as PETRO CANADA PRODURO TO-4 SAE 30, however, a	Sample Date		Client Info			02 Apr 2023	25 Oct 2022
	U		Client Info		28318	25313	22153
	0		Client Info		0	0	0
fluid match indicates that this fluid is SAE 5W20	Oil Changed		Client Info		N/A	N/A	N/A
Transmission/Drive Train Oil. Please confirm the oil	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
type and grade on your next sample.	WEAR METALS		method	limit/base	current	history1	history2
Wear All component wear rates are normal.	lron p	opm	ASTM D5185(m)	>500	36	6	55
	Chromium p	opm	ASTM D5185(m)	>10	0	0	0
Contamination There is no indication of any contamination in the oil.	Nickel	opm	ASTM D5185(m)	>10	<1	0	<1
	Titanium	opm	ASTM D5185(m)		0	<1	<1
	Silver		ASTM D5185(m)		<1	0	0
			ASTM D5185(m)	>25	1	<1	1
Viscosity of sample indicates oil is within SAE			ASTM D5185(m)		0	0	0
5W20 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.			ASTM D5185(m)		4	1	3
			ASTM D5185(m)		0	0	0
			ASTM D5185(m)		0	0	<1
			ASTM D5185(m)	20	0	0	0
			ASTM D5185(m)		0	0	0
			(/		0	0	0
		opm	ASTM D5185(m)			0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron p	opm	ASTM D5185(m)	2	2	9	33
	Barium p	opm	ASTM D5185(m)	0	<1	0	0
	Molybdenum p	opm	ASTM D5185(m)	0	0	1	0
	Manganese p	opm	ASTM D5185(m)	9	0	<1	<1
	Magnesium p	opm	ASTM D5185(m)	1	11	24	12
	Calcium	opm	ASTM D5185(m)	3131	2166	2299	3015
	Phosphorus p	opm	ASTM D5185(m)	1194	872	925	1139
	Zinc	opm	ASTM D5185(m)	1281	1024	1022	1253
	- ···		ASTM D5185(m)	3811	2908	2739	2944
			ASTM D5185(m)		<1	<1	<1
	CONTAMINANT	S	method	limit/base	current	history1	history2
			ASTM D5185(m)		5	4	11
			ASTM D5185(m)		<1	<1	<1
			ASTM D5185(m)		<1	<1	<1
	VISUAL		method	limit/base		history1	history2
			Visual*	NONE	NONE	NONE	NONE
		scalar		NONE	NONE	NONE	NONE
			Visual*	NONE	NONE	NONE	NONE
		scalar		NONE	NONE	NONE	NONE
		scalar	Visual*	NONE	NONE	NONE	NONE
	Sand/Dirt s	scalar	Visual*	NONE	NONE	NONE	NONE
	Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
	Odor s	scalar	Visual*	NORML	NORML	NORML	NORML
	Emulsified Water s	scalar	Visual*	>0.2	NEG	NEG	NEG
	F 147 -		1.12			NEO	NIEG

scalar Visual*

NEG

NEG



OIL ANALYSIS REPORT

