

Machine Id **212246** Component **Gasoline Engine** Fluid **PETRO CANADA SUPREME 5W30 (--- LTR)**

RECOMMENDATION

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



All component wear rates are normal.

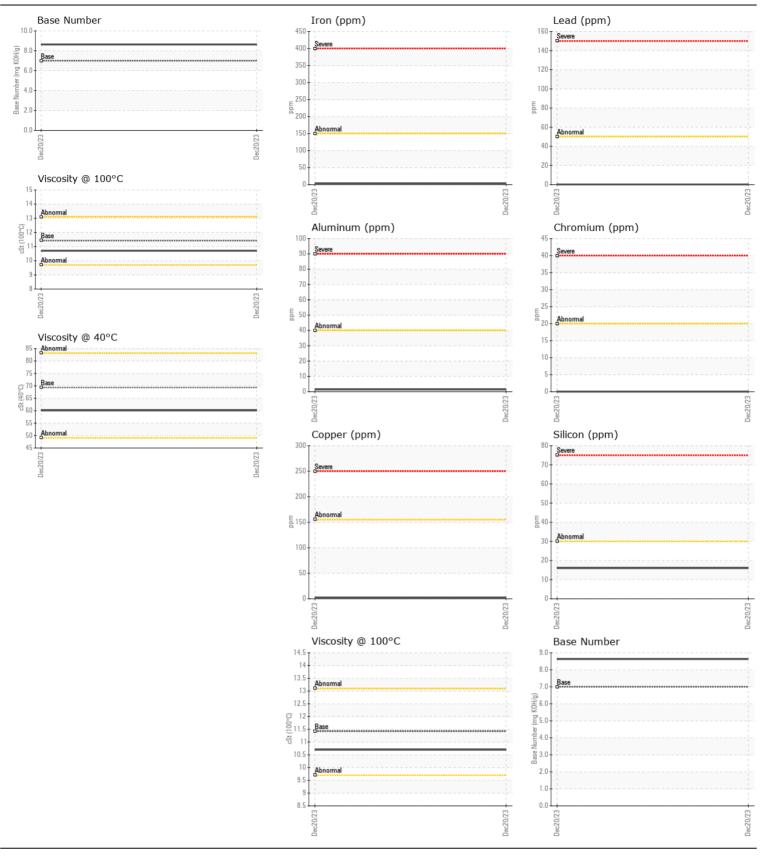
CONTAMINATION

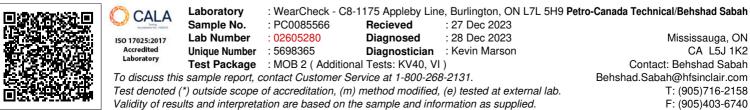
There is no indication of any contamination in the oil.

FLUID CONDITION

The BN result is higher than normal. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0085566		
Sample Date		Client Info		20 Dec 2023		
Machine Age	kms	Client Info		14728		
Oil Age	kms	Client Info		0		
Filter Age	kms	Client Info		0		
Oil Changed	KIIIO	Client Info		N/A		
Filter Changed		Client Info		N/A		
Sample Status				NORMAL		
Iron	ppm	ASTM D5185(m)	>150	3		
Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>5	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>2	0		
Aluminum	ppm	ASTM D5185(m)	>40	1		
Lead	ppm	ASTM D5185(m)	>50	<1		
Copper	ppm	ASTM D5185(m)	>155	2		
Tin	ppm	ASTM D5185(m)	>10	0		
Vanadium	ppm	ASTM D5185(m)	210	0		
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
	304141	13041				
Silicon	ppm	ASTM D5185(m)	>30	16		
Potassium	ppm	ASTM D5185(m)	>20	2		
Fuel		WC Method	>4.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
Soot %	%	ASTM D7844*		0		
Nitration	Abs/cm	ASTM D7624*	>20	5.1		
Sulfation	Abs/.1mm	ASTM D7415*	>30	14.9		
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	NONE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
Emulsified Water	scalar	Visual*	>0.2	NEG		
Sodium	ppm	ASTM D5185(m)	>400	1		
Boron	ppm	ASTM D5185(m)	186	155		
Barium	ppm	ASTM D5185(m)	<1	0		
Molybdenum	ppm	ASTM D5185(m)	79	63		
Manganese	ppm	ASTM D5185(m)	0	0		
Magnesium	ppm	ASTM D5185(m)	578	516		
Calcium	ppm	ASTM D5185(m)	1002	1112		
Phosphorus	ppm	ASTM D5185(m)	745	609		
Zinc	ppm	ASTM D5185(m)	837	705		
Sulfur	ppm	ASTM D5185(m)	2502	2213		
Oxidation	Abs/.1mm	ASTM D7414*	>25	9.1		
Base Number (BN)	mg KOH/g	ASTM D2896*	7.0	8.63		
Visc @ 40°C	cSt	ASTM D7279(m)	69.33	60.1		
Visc @ 100°C	cSt	ASTM D7279(m)	11.42	10.7		
Viscosity Index (VI)	Scale	ASTM D2270*	159	170		
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Contact/Location: PETMISTM - Behshad Sabah - PCA_129713

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