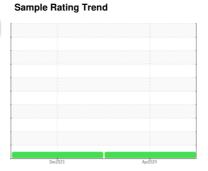


# **OIL ANALYSIS REPORT**

**UPS CANADA FORD 515604** 

Gasoline Engine

PETRO CANADA SUPREME 5W30 (--- LTR)





## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

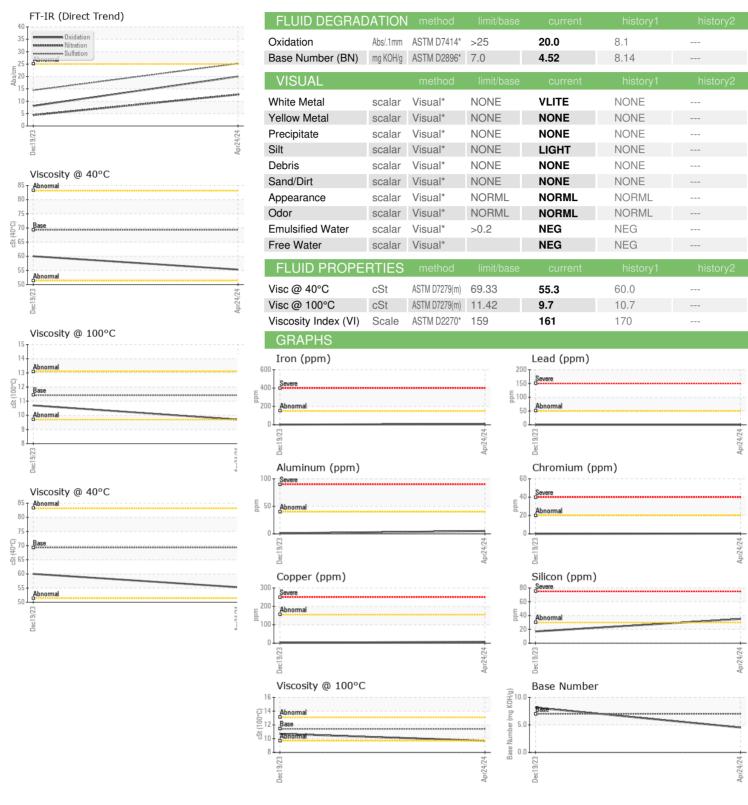
### **Fluid Condition**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

)			Dec2023	Apr2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0085531	PC0085569	
Sample Date		Client Info		24 Apr 2024	19 Dec 2023	
Machine Age	kms	Client Info		15653	3577	
Oil Age	kms	Client Info		0	0	
Oil Changed		Client Info		Not Changd	N/A	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>150	10	2	
Chromium	ppm	ASTM D5185(m)	>20	<1	0	
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	
Titanium	ppm	ASTM D5185(m)		<1	0	
Silver	ppm	ASTM D5185(m)	>2	0	0	
Aluminum	ppm	ASTM D5185(m)	>40	5	1	
Lead	ppm	ASTM D5185(m)	>50	0	0	
Copper	ppm	ASTM D5185(m)	>155	8	3	
Tin	ppm	ASTM D5185(m)	>10	0	0	
Antimony	ppm	ASTM D5185(m)		0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium Cadmium	ppm	ASTM D5185(m)		0	0	
	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	186	32	169	
Barium	ppm	ASTM D5185(m)	<1	<1	0	
Molybdenum	ppm	ASTM D5185(m)	79	75	67	
Magagium	ppm	ASTM D5185(m)	0	1 488	0 472	
Magnesium Calcium	ppm	ASTM D5185(m) ASTM D5185(m)	578 1002	488 1199	1120	
Phosphorus	ppm	ASTM D5185(m)	745	626	585	
Zinc	ppm	ASTM D5185(m)		707	671	
Sulfur	ppm	ASTM D5185(m)	2502	2169	2214	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	35	17	
Sodium	ppm	ASTM D5185(m)	>400	5	2	
Potassium	ppm	ASTM D5185(m)	>20	<1	1	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	
Nitration	Abs/cm	ASTM D7624*	>20	12.7	4.4	
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.2	14.4	



# OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Petro-Canada Technical/Behshad Sabah

Test Package : MOB 2 ( Additional Tests: KV40, VI )

: 02642847

To discuss this sample report, contact Customer Service at 1-800-268-2131.

: PC0085531 Unique Number : 5800386

Received **Tested** Diagnosed

: 19 Jun 2024 : 20 Jun 2024

: 20 Jun 2024 - Wes Davis

CA L5J 1K2 Contact: Behshad Sabah Behshad.Sabah@hfsinclair.com T: (905)716-2158

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.

Mississauga, ON

F: (905)403-6740