

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL NORMAL

Machine Id

Supreme Synthetic 5W-20

Component

1 New (Unused) Oil

PETRO CANADA SUPREME 5W20 MOTOR OIL (--- GAL

DIAGNOSIS

Recommendation

This is the baseline readout on this new (unused) oil. The fluid is suitable for service.

Wear

{not applicable}

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. There is no indication of any contamination in the new (unused) oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for service.

OIL (GAL)				May2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0078670		
Sample Date		Client Info		02 May 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METAL	_S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>5	<1		
Chromium	ppm	ASTM D5185(m)	>5	0		
Nickel	ppm	ASTM D5185(m)	>5	<1		
Γitanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>5	0		
Aluminum	ppm	ASTM D5185(m)	>5	<1		
_ead	ppm	ASTM D5185(m)	>5	<1		
Copper	ppm	ASTM D5185(m)	>5	0		
Γin	ppm	ASTM D5185(m)	>5	0		
Antimony	ppm	ASTM D5185(m)		0		
/anadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	183	160		
Barium	ppm	ASTM D5185(m)	0	0		
Molybdenum	ppm	ASTM D5185(m)	36	67		
Manganese	ppm	ASTM D5185(m)	0	0		
Magnesium	ppm	ASTM D5185(m)	417	500		
Calcium	ppm	ASTM D5185(m)	1318	1090		
Phosphorus	ppm	ASTM D5185(m)	773	700		
Zinc	ppm	ASTM D5185(m)	845	760		
Sulfur	ppm	ASTM D5185(m)	2690	2690		
_ithium	ppm	ASTM D5185(m)		<1		
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	4		
Sodium	ppm	ASTM D5185(m)		2		
Potassium	ppm	ASTM D5185(m)	>20	0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0		
Nitration	Abs/cm	ASTM D7624*		3.8		
5 IC - 4!	Al / d	AOTM DZ445		4= 0		

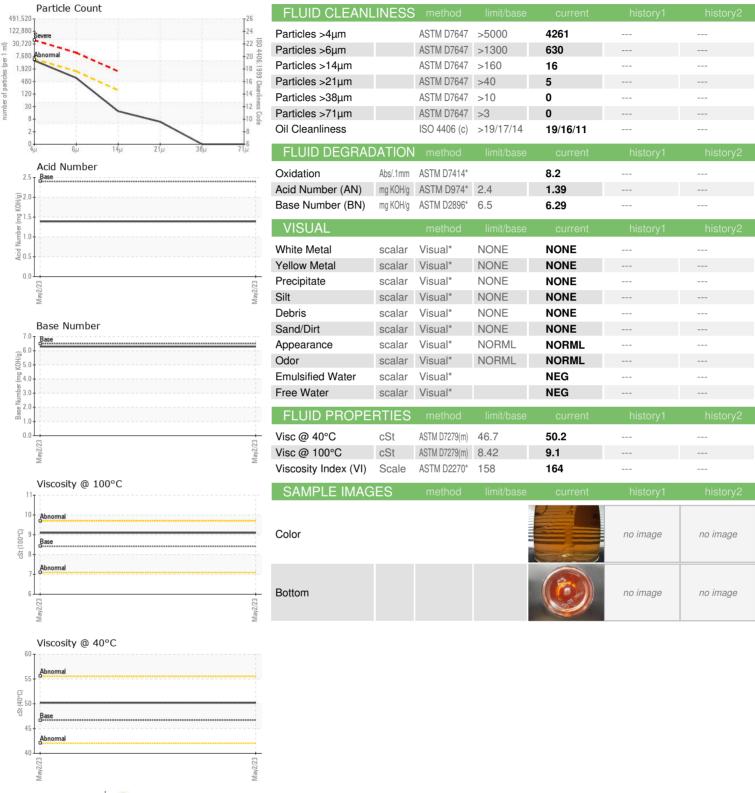
Sulfation

Abs/.1mm ASTM D7415*

15.8



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CALA ISO 17025:2017 Accredited

Laboratory

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

: PC0078670

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Petro-Canada Technical/Yen Garcia Received : 03 May 2023

: 02555029 : 5568044

Diagnosed : 05 May 2023 Diagnostician : Kevin Marson

Contact: Yen Garcia

Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, TBN, VI) To discuss this sample report, contact Customer Service at 1-800-268-2131.

yen.garcia@hfsinclair.com T:

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.

F: (905)403-6740

Mississauga, ON

CA L5J 1K2