

OIL ANALYSIS REPORT

Sample Rating Trend



FORD 682 (S/N 1FM5K8ARXJGB11977)

Gasoline Engine

PETRO CANADA SUPREME 5W20 MOTOR OIL (6 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal.

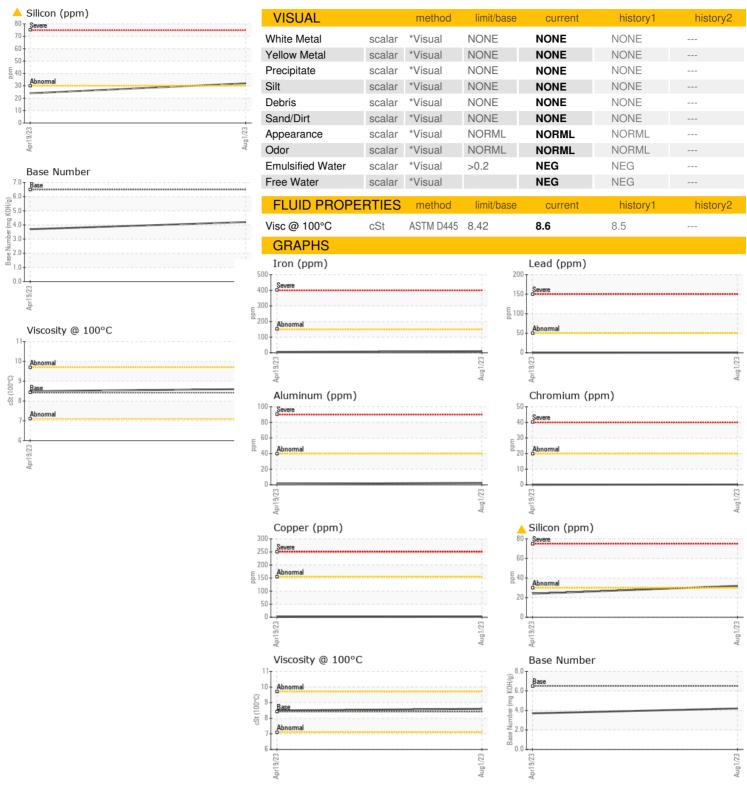
Fluid Condition

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

OIL (O GAL)		L	Apr2023	Aug 2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0100389	PCA0096257	
Sample Date		Client Info		01 Aug 2023	19 Apr 2023	
Machine Age	mls	Client Info		54710	51159	
Oil Age	mls	Client Info		3551	1954	
Oil Changed		Client Info		Changed	Changed	
Sample Status				ABNORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	10	6	
Chromium	ppm	ASTM D5185m	>20	<1	0	
Nickel	ppm	ASTM D5185m	>5	<1	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>40	2	1	
Lead	ppm	ASTM D5185m	>50	<1	0	
Copper	ppm		>155	3	1	
Tin		ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m	>10	0	0	
Cadmium	ppm	ASTM D5185m		0	0	
	ррпп		1111/1			
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	183	36	93	
Barium	ppm	ASTM D5185m	0	2	0	
Molybdenum	ppm	ASTM D5185m	36	61	60	
Manganese	ppm	ASTM D5185m	0	<1	<1	
Magnesium	ppm	ASTM D5185m	417	430	478	
Calcium	ppm	ASTM D5185m	1318	1240	1243	
Phosphorus	ppm	ASTM D5185m	773	648	661	
Zinc	ppm	ASTM D5185m	845	766	810	
Sulfur	ppm	ASTM D5185m	2690	2412	2862	
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	▲ 32	24	
Sodium	ppm	ASTM D5185m	>400	10	3	
Potassium	ppm	ASTM D5185m	>20	1	<1	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	
Nitration	Abs/cm	*ASTM D7624	>20	10.2	7.1	
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.8	16.5	
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
FLUID DEGRA Oxidation	DATION Abs/.1mm	method *ASTM D7414	limit/base >25		history1 11.9	history2



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Laboratory Sample No.

Lab Number **Unique Number**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 05936573 : 10621844

: PCA0100389

Received : 28 Aug 2023 Diagnosed

: 29 Aug 2023 Diagnostician : Don Baldridge

Test Package : MOB 1 (Additional Tests: TBN)

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. **VILLAGE OF NORTH RIVERSIDE**

2345 S DESPLAINES NORTH RIVERSIDE, IL US 60546

Contact: Service Manager vznrdpw@gmail.com

T: F:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)