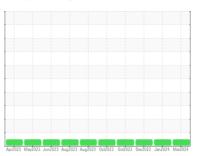


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



FORD 613 (S/N 1FM5K8AG4NGA27100)

Gasoline Engine

PETRO CANADA SUPREME 5W20 MOTOR OIL (6 GAL)

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

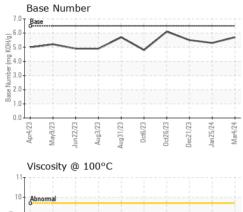
Fluid Condition

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

April023 Mangi023 Aug/023 Aug/023 Oct0023 Oct0023 Oct0023 Unic0024 Mar2024													
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2							
Sample Number		Client Info		PCA0117701	PCA0112911	PCA0112919							
Sample Date		Client Info		04 Mar 2024	25 Jan 2024	21 Dec 2023							
Machine Age	mls	Client Info		33827	32121	30312							
Oil Age	mls	Client Info		1706	1809	1804							
Oil Changed		Client Info		Changed	Changed	Changed							
Sample Status				NORMAL	NORMAL	NORMAL							
CONTAMINAT	ION	method	limit/base	current	history1	history2							
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0							
Water		WC Method	>0.2	NEG	NEG	NEG							
Glycol		WC Method		NEG	NEG	NEG							
WEAR METAL	S	method	limit/base	current	history1	history2							
Iron	ppm	ASTM D5185m	>150	4	2	2							
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1							
Nickel	ppm	ASTM D5185m	>5	<1	0	0							
Titanium	ppm	ASTM D5185m		<1	<1	<1							
Silver	ppm	ASTM D5185m	>2	0	0	0							
Aluminum	ppm	ASTM D5185m	>40	3	<1	<1							
Lead	ppm	ASTM D5185m	>50	<1	<1	1							
Copper	ppm	ASTM D5185m	>155	6	<1	<1							
Tin	ppm	ASTM D5185m	>10	<1	<1	<1							
Vanadium	ppm	ASTM D5185m		<1	0	0							
Cadmium	ppm	ASTM D5185m		<1	0	0							
ADDITIVES		method	limit/base	current	history1	history2							
Boron	ppm	ASTM D5185m	183	57	46	45							
Barium	ppm	ASTM D5185m	0	<1	0	0							
Molybdenum	ppm	ASTM D5185m	36	70	66	67							
Manganese	ppm	ASTM D5185m	0	<1	<1	<1							
Magnesium	ppm	ASTM D5185m	417	576	561	563							
Calcium	ppm	ASTM D5185m	1318	1206	1121	1127							
Phosphorus	ppm	ASTM D5185m	773	718	731	727							
Zinc	ppm	ASTM D5185m	845	861	820	823							
Sulfur	ppm	ASTM D5185m	2690	2699	2603	2644							
CONTAMINAN	TS	method	limit/base	current	history1	history2							
Silicon	ppm	ASTM D5185m	>30	19	13	14							
Sodium	ppm	ASTM D5185m	>400	8	2	2							
Potassium	ppm	ASTM D5185m	>20	3	0	<1							
INFRA-RED		method	limit/base	current	history1	history2							
Soot %	%	*ASTM D7844		0	0	0							
Nitration	Abs/cm	*ASTM D7624	>20	7.7	7.5	7.6							
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.8	18.6	18.5							
FLUID DEGRAD	OATION	method	limit/base	current	history1	history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.4	13.8	13.8							
Base Number (BN)	mg KOH/g	ASTM D2896	6.5	5.7	5.3	5.5							
()	0 - 3												



OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2

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	normal					

	FLUID PROPERTIES		method lir			limit	t/base current			history1				history2						
١	visc @			cS	St	ASTM D445 8.42					9.0 8.7						8.8			
	GRA																			
500	Iron (opm)								200	Lea	ad (p	pm)							
400	Severe			-		-		-		150	Seve	ere	-							
돌 ³⁰⁰ 200	+									툂 100										
100	Abnormal									50	Abn	ormal					-			
0	3	23				3	67	4	4	0	3		60		67		23		4	4
	Apr4/23 May9/23	Jun22/23	Aug3/23	Aug31/23	0ct6/23	0ct26/23	Dec21/23	Jan25/24	Mar4/24		Apr4/23	May9/23	Jun22/23	Aug3/23	Aug31/23	0ct6/23	Oct26/23	Dec21/23	Jan25/24	Mar4/24
	Alumir		ppm)					,			Chi	romi		ppm)						
100	Severe									50 40	Seve	ere		1				Ī		
mdd 40										E 30										
40	Abnormal			-						20	Abn	ormal								
20										10										
	Apr4/23 May9/23	Jun22/23	Aug3/23	Aug31/23	Oct6/23	0ct26/23	Dec21/23	Jan25/24	Mar4/24 -		Apr4/23	May9/23	Jun22/23	Aug3/23	Aug31/23	0ct6/23	Oct26/23	Dec21/23	Jan25/24	Mar4/24 -
	Coppe			A		0		Š					⊸ (ppm		A		0	О	7	
300 250										80										
200	Abnormal									60	-									
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	Apr4/23 -	Jun22/23 -	Aug3/23 -	Aug31/23 -	Oct6/23 -	Oct26/23 -	Dec21/23 -	Jan25/24 -	Mar4/24 -	Ü	Apr4/23	May9/23 -	Jun22/23 -	Aug3/23 -	Aug31/23	Oct6/23 -	Oct26/23 -	Dec21/23 -	Jan25/24 -	Mar4/24 -
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10										M 6.0	Bas						_			
cSt (100°C)	Base									4.0 Imper										
7	Abnormal									Base Number (mg KOH/g) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0										
6	Apr4/23 -	Jun22/23	Aug3/23 +	Aug31/23	0ct6/23	0ct26/23	Dec21/23 +	Jan25/24	Mar4/24	0.0	Apr4/23	May9/23	Jun22/23	Aug3/23	Aug31/23	0ct6/23	Oct26/23 +	Dec21/23	Jan25/24	Mar4/24
	Api	Jun2	Aug	Aug3	000	Oct2	Dec2	Jan2	Mar		Api	Мау	Jun2	Aug	Aug3	00	Oct2	Dec2	Jan2	Mai





Laboratory

Sample No. : PCA0117701 Lab Number : 06133896 Unique Number: 10953361

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

Diagnosed Test Package : MOB 1 (Additional Tests: TBN)

: 29 Mar 2024 : 01 Apr 2024

: 01 Apr 2024 - Wes Davis

NORTH RIVERSIDE, IL US 60546

2345 S DESPLAINES

VILLAGE OF NORTH RIVERSIDE

Contact: Service Manager vznrdpw@gmail.com T:

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.

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

F: