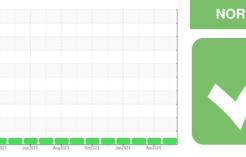


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id

FORD 613 (S/N 1FM5K8AG4NGA27100)

Component

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

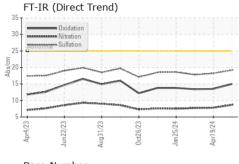
Fluid Condition

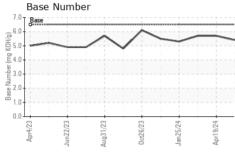
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

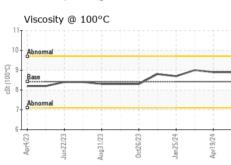
OIL (6 GAL)		Apr2023	Jun2023 Aug2023	Oct2023 Jan2024 Ap	or2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0123150	PCA0117716	PCA0117701
Sample Date		Client Info		29 May 2024	19 Apr 2024	04 Mar 2024
Machine Age	mls	Client Info		37531	35525	33827
Oil Age	mls	Client Info		2006	1698	1706
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	5	4	4
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>40	<1	1	3
Lead	ppm	ASTM D5185m	>50	0	<1	<1
Copper	ppm	ASTM D5185m	>155	<1	1	6
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	183	36	66	57
Barium	ppm	ASTM D5185m	0	0	<1	<1
Molybdenum	ppm	ASTM D5185m	36	66	69	70
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	417	619	645	576
Calcium	ppm	ASTM D5185m	1318	1304	1325	1206
Phosphorus	ppm	ASTM D5185m	773	789	816	718
Zinc	ppm	ASTM D5185m	845	926	1059	861
Sulfur	ppm	ASTM D5185m	2690	3330	3546	2699
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	21	18	19
Sodium	ppm	ASTM D5185m	>400	27	17	8
Potassium	ppm	ASTM D5185m	>20	1	1	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0	0
Nitration	Abs/cm	*ASTM D7624	>20	8.7	7.8	7.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.2	18.2	17.8
FLUID DEGRAI	NOITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.0	13.5	13.4
Base Number (BN)	mg KOH/g	ASTM D2896	6.5	5.4	5.7	5.7



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	RHES	method	limit/base		history1	history2
Visc @ 100°C	cSt	ASTM D445	8.42	8.9	8.9	9.0

Abnormal	Visc @ 100°C	;	cSt	ASIMD	445 8.42	8.9		8.9		9.0)
Abnormal	GRAPHS										
Abnormal	Iron (ppm)					Lead ((ppm)				
Abnormal						S		-			
F258116A											
Aluminum (ppm) Chromium (ppm) Chro	Abnormal					Abnormal					
Abnormal Abnormal Chromium (ppm) Chromium (ppm) Chromium (ppm) Severe Abnormal Abnormal Abnormal Copper (ppm) Severe Abnormal						0					
Abnormal Abnormal Chromium (ppm) Chromium (ppm) Severe Abnormal Abnormal Copper (ppm) Silicon (ppm) Severe Abnormal	Apr4/23	g31/23	:426/23	n25/24	r19/24	kpr4/23	n22/23	g31/23	:126/23	n25/24	r19/24
Abnormal			ŏ	Jai	Ap				ő	Jai	Ap
Abnormal		ррипу				50 T 7 7 -		ppiii)			
Copper (ppm) Severe Abnormal Abnorma						40 7					
Copper (ppm) Silicon	Abnormal					Abnormal					
Copper (ppm) Severe Abnormal						10-					
Severe Solicon (ppm) Silicon (ppm) Severe Sever	1/23	/23	3/23	5/24	1/24	0 1/23	./23	/23	9/23	5/24	1/24
Abnormal	Apr4 Jun22	Aug31	0ct26	Jan25	Apr19	Apré	Jun22	Aug31	Oct26	Jan25	Apr19
Abnormal Abnormal EZP-bdd Abnormal EZP-bdd Abnormal EZP-bdd	Copper (pp	m)					(ppm)			
Abnormal Viscosity @ 100°C Abnormal Base Abnormal Abnormal Abnormal Base Abnormal	Severe										
Viscosity @ 100°C Abnormal Base Abnormal Abnormal	Abnormal					E 40					
Viscosity @ 100°C Abnormal Abu19724 Ab1974 Ab197						0					
Viscosity @ 100°C Abnormal Abnormal Abnormal Abnormal						0					
Viscosity @ 100°C Abnormal Base Abnormal Abnormal	Apr4/23	g31/23	ct26/23	m25/24	pr19/24	Apr4/23	n22/23	g31/23	ct26/23	m25/24	pr19/24
Abnormal (9) H (0)	5		0	٦	Ą		-		Ö	-P	Ą
0.04	I : : : : : : : : : : : : : : : : : : :		77	7		80					
0.04	IIii					9 6.0			/		
0.04	Base					4.0					
0.04	Abnormal	-	-			2.0 -					
Apri 21 Aug 31 Jun 22 Apri 5 A	1/23	1/23	3/23	5/24	3/24	0.0	2/23		3/23	5/24	1/24
	Apri Jun22	Aug31	Oct26	Jan25	Apr19	Apr4	Jun22	Aug31	Oct26	Jan25	Apr19





Certificate 12367

Laboratory

Sample No. : PCA0123150 Lab Number : 06229528 Unique Number : 11113021

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 05 Jul 2024 **Tested** : 09 Jul 2024

Diagnosed

: 09 Jul 2024 - Wes Davis 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.

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

VILLAGE OF NORTH RIVERSIDE

2345 S DESPLAINES NORTH RIVERSIDE, IL US 60546

Contact: Service Manager vznrdpw@gmail.com T:

F: Contact/Location: Service Manager - VILNOR