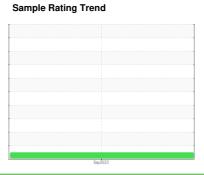


OIL ANALYSIS REPORT

{UNASSIGNED} 98233

Component

Gasoline E



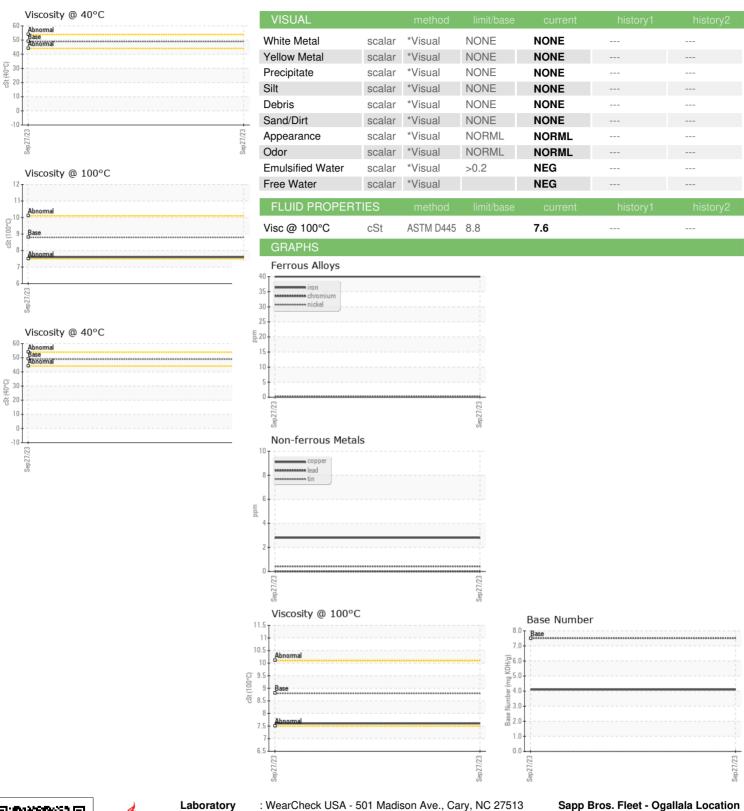


Gasoline Engine							
MOTORCRAFT SYNTHETIC BLEND 5W2			Sep 2023				
DIAGNOSIS	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		SBP0005517		
Resample at the next service interval to monitor.	Sample Date		Client Info		27 Sep 2023		
Wear	Machine Age	mls	Client Info		88235		
All component wear rates are normal.	Oil Age	mls	Client Info		5408		
Contamination There is no indication of any contamination in the oil.	Oil Changed		Client Info		Changed		
	Sample Status				NORMAL		
Fluid Condition	CONTAMINATION	1	method	limit/base	current	history1	history2
The BN result indicates that there is suitable	Fuel		WC Method	>4.0	<1.0		
alkalinity remaining in the oil. The condition of the	Glycol		WC Method		NEG		
oil is suitable for further service.	WEAR METALS		method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>150	40		
	Chromium	ppm	ASTM D5185m	>20	<1		
	Nickel	ppm	ASTM D5185m	>5	0		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>2	0		
	Aluminum	ppm	ASTM D5185m	>40	2		
	Lead	ppm	ASTM D5185m	>50	0		
	Copper	ppm	ASTM D5185m	>155	3		
	Tin	ppm	ASTM D5185m	>10	<1		
	Vanadium	ppm	ASTM D5185m		0		
	Cadmium	ppm	ASTM D5185m		0		
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		52		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		66		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		515		
	Calcium	ppm	ASTM D5185m		956		
	Phosphorus	ppm	ASTM D5185m		702		
	Zinc	ppm	ASTM D5185m		809		
	016		AOTAL DELOE		0050		

	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		52		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		66		
Manganese	ppm	ASTM D5185m		<1		
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Calcium	ppm	ASTM D5185m		956		
Phosphorus	ppm	ASTM D5185m		702		
Zinc	ppm	ASTM D5185m		809		
Sulfur	ppm	ASTM D5185m		2853		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	10		
Sodium	ppm	ASTM D5185m	>400	5		
Sodium Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>400 >20	5 3		
				-		history2
Potassium		ASTM D5185m	>20	3		
Potassium INFRA-RED	ppm	ASTM D5185m method	>20	3 current	history1	history2
Potassium INFRA-RED Soot %	ppm %	ASTM D5185m method *ASTM D7844	>20 limit/base	current 0	history1	history2
Potassium INFRA-RED Soot % Nitration	% Abs/cm Abs/.1mm	ASTM D5185m method *ASTM D7844 *ASTM D7624	>20 limit/base	current 0 9.6	history1	history2
Potassium INFRA-RED Soot % Nitration Sulfation	% Abs/cm Abs/.1mm	ASTM D5185m method *ASTM D7844 *ASTM D7624 *ASTM D7415	>20 limit/base >20 >30	3 current 0 9.6 21.7	 history1 	history2
Potassium INFRA-RED Soot % Nitration Sulfation FLUID DEGRADA	ppm % Abs/cm Abs/.1mm	ASTM D5185m method *ASTM D7844 *ASTM D7624 *ASTM D7415 method	>20 limit/base >20 >30 limit/base	3 current 0 9.6 21.7 current	 history1 	history2



OIL ANALYSIS REPORT





Laboratory Sample No. Lab Number Unique Number

: SBP0005517

Received Diagnosed : 06006248 : 10740010

Diagnostician : Don Baldridge

: 13 Nov 2023 : 15 Nov 2023

US Contact: Service Manager

Test Package : FLEET (Additional Tests: KV40) Certificate L2367 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)

T:

F: