

PROBLEM SUMMARY

FORD 2015 FORD F-250 XL (S/N 1FT7X2B68FEA58618) Component

Gasoline Engine Fluic

300k

250k

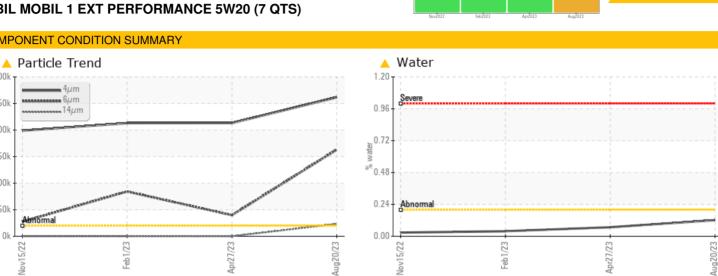
number of particles (1 ml) 500k

50k

0k

MOBIL MOBIL 1 EXT PERFORMANCE 5W20 (7 QTS)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS						
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Water	%	ASTM D6304	>0.2	A 0.121	0.068	0.038
ppm Water	ppm	ASTM D6304	>2000	🔺 1219.9	689.2	388.1
Particles >4µm		ASTM D7647	>20000	<u> </u>	A 213196	A 212870
Particles >6µm		ASTM D7647	>5000	🔺 163108	A 39653	A 84283
Particles >14µm		ASTM D7647	>640	<u> </u>	7	22
Particles >21µm		ASTM D7647	>160	<u> </u>	1	2
Particles >38µm		ASTM D7647	>40	<u> </u>	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u> </u>	▲ 25/22/10	🔺 25/24/12

Sample Rating Trend

WATER

Customer Id: USPLIN Sample No.: USP242366 Lab Number: 05929624 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS					
Action	Status	Date	Done By	Description	
Change Filter			?	We recommend you service the filters on this component.	

HISTORICAL DIAGNOSIS



27 Apr 2023 Diag: Doug Bogart

Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



01 Feb 2023 Diag: Doug Bogart



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ISO

15 Nov 2022 Diag: Doug Bogart

Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.







OIL ANALYSIS REPORT

Sample Number

Sample Date

Machine Age

Oil Changed

Sample Status

CONTAMINATION

WEAR METALS

ppm

%

ASTM D5185m

ASTM D5185m

ASTM D5185m

method

ASTM D5185m

method

ASTM D5185m

ASTM D5185m

ASTM D5185m

ASTM D6304

ASTM D6304

method

ASTM D7647

ASTM D7647

ASTM D7647

ASTM D7647

ASTM D7647

ASTM D7647

ASTM D5185m 790

>10

100

80

800

1125

720

2100

>30

>400

>20

>0.2

>2000

>20000

>5000

>640

>160

>40

>10

limit/base

limit/base

limit/base

Oil Age

Fuel

Iron

Nickel

Silver

Lead

Tin

Copper

Titanium

Aluminum

Vanadium

Cadmium

Boron

Barium

Molybdenum

Manganese

Magnesium

Phosphorus

CONTAMINANTS

FLUID CLEANLINESS

Calcium

Zinc

Sulfur

Silicon

Sodium

Water

Potassium

ppm Water

Particles >4µm

Particles >6µm

Particles >14µm

Particles >21µm

Particles >38µm

Particles >71µm

Oil Cleanliness

ADDITIVES

Chromium

Glycol

FORD 2015 FORD F-250 XL (S/N 1FT7X2B68FEA58618) Component

Gasoline Engine

MOBIL MOBIL 1 EXT PERFORMANCE 5W20 (7 QTS)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

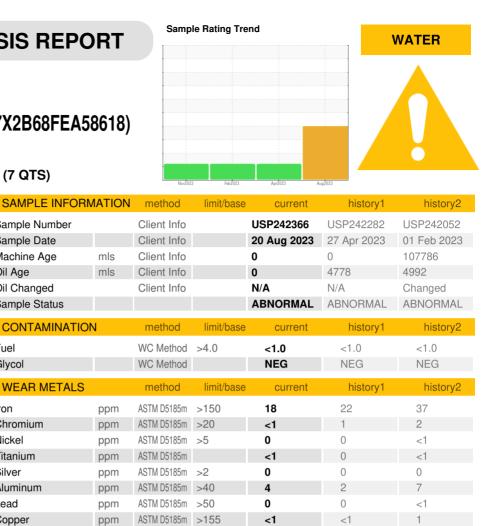
All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil. There is a trace of moisture present in the oil.

Fluid Condition

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



0

<1

0

19

0

73

<1

492

929

581

694

2867

13

5

2

0.121

1219.9

261596

163108

23277

7890

183

1

current

current

current

0

0

0

32

0

80

<1

492

910

625

752

2807

13

3

2

0.068

689.2

213196

39653

7

1

0

0

history1

history1

history1

<1

<1

0

28

0

81

<1

563

605

579

661

2096

13

3

2

0.038

388.1

212870

▲ 84283

22

2

0

0

history2

history2

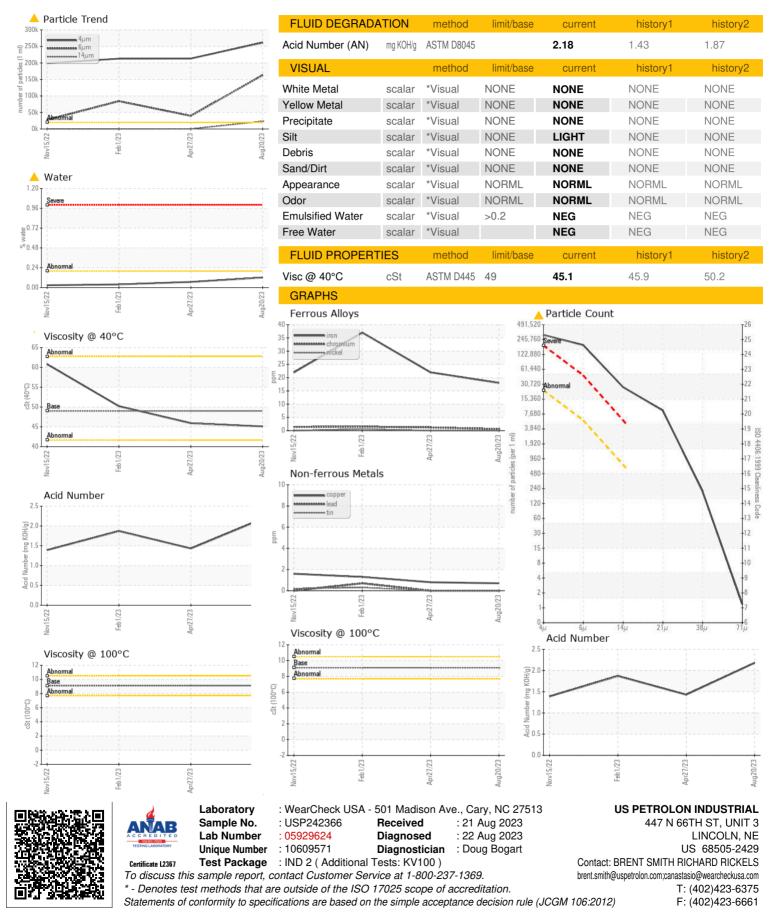
history2

Depart Id: LICELINI IN/LICCARI 05020624	(Concreted: 09/00/0000 10:47:06) Pour 1
Report Id: USPLIN [WUSCAR] 05929624	(Generaleu. 00/22/2025 19.47.00) nev. 1

ISO 4406 (c) >21/19/16 A 25/25/22 ▲ 25/22/10 25/24/12 Contact/Location: BRENT SMITH RICHARD RICKELS - USPLIN



OIL ANALYSIS REPORT



Contact/Location: BRENT SMITH RICHARD RICKELS - USPLIN