



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id  
**FORD 846-4102**  
 Component  
**Diesel Engine**  
 Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (8 QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0020361</b>	RPL0017372	RPL0013846
Sample Date		Client Info		<b>01 May 2024</b>	12 Jan 2024	23 Aug 2023
Machine Age	mls	Client Info		<b>94032</b>	90124	87407
Oil Age	mls	Client Info		<b>2851</b>	5104	4341
Filter Age	mls	Client Info		<b>2851</b>	5104	4341
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Sample Status				<b>ATTENTION</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>8</b>	32	13
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m	>2	<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	3	1
Lead	ppm	ASTM D5185m	>40	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>330	<b>5</b>	10	50
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

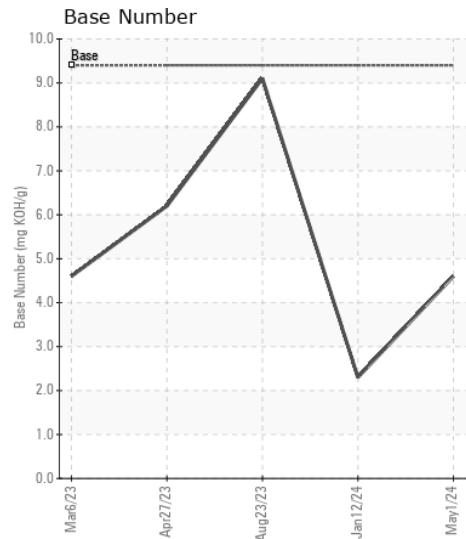
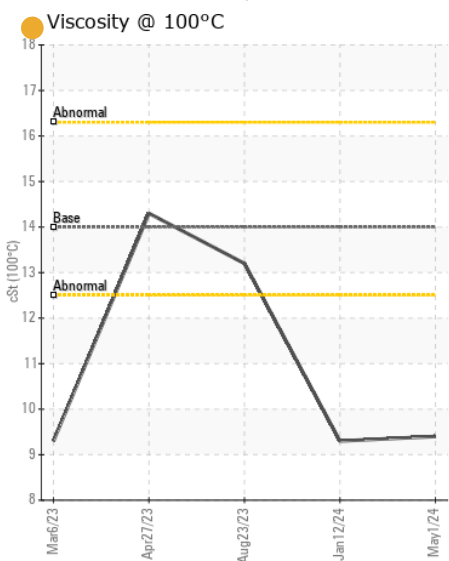
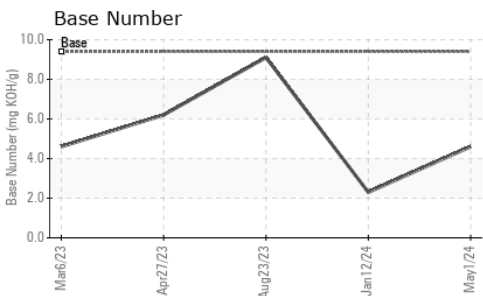
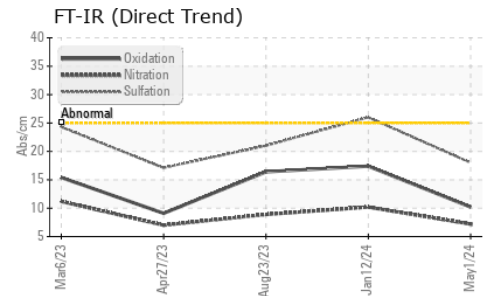
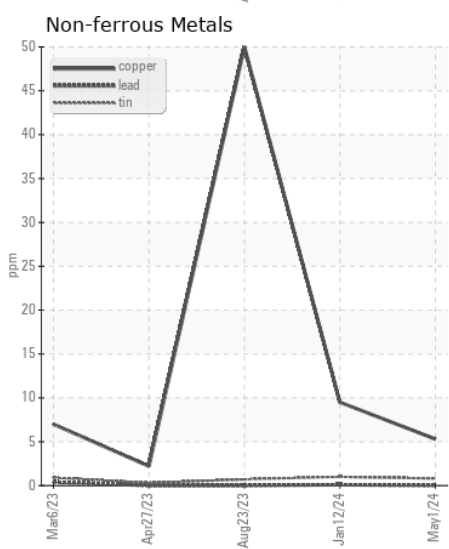
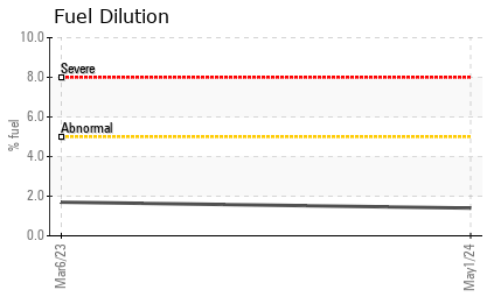
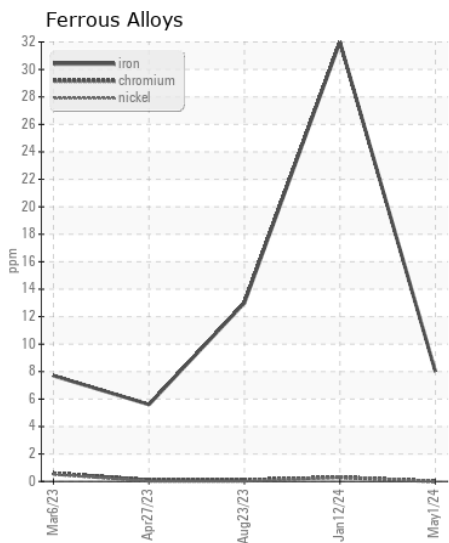
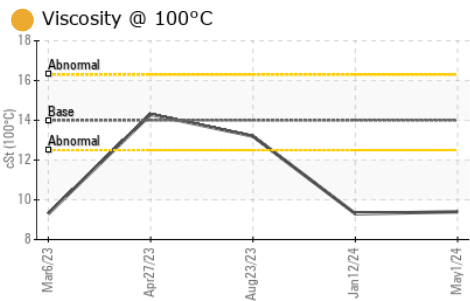
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>8</b>	9	4
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	11	2
Fuel	%	ASTM D3524	>5	<b>1.4</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0</b>	0	0.5
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.2</b>	10.2	8.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>18.0</b>	26.0	21.0
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		<b>4</b>	5	2
Boron	ppm	ASTM D5185m	0	<b>87</b>	21	1
Barium	ppm	ASTM D5185m	0	<b>0</b>	4	0
Molybdenum	ppm	ASTM D5185m	0	<b>71</b>	68	65
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>551</b>	508	1048
Calcium	ppm	ASTM D5185m		<b>917</b>	918	1180
Phosphorus	ppm	ASTM D5185m		<b>679</b>	684	1155
Zinc	ppm	ASTM D5185m		<b>793</b>	742	1445
Sulfur	ppm	ASTM D5185m		<b>3163</b>	3076	3978
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>10.2</b>	17.4	16.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>4.6</b>	2.3	9.1
Visc @ 100°C	cSt	ASTM D445	14	<b>9.4</b>	9.3	13.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0020361  
**Lab Number** : 06185853  
**Unique Number** : 11042605  
**Test Package** : FLEET ( Additional Tests: FuelDilution, PercentFuel )

**RTL PACLEASE - 7006 - Pico Rivera**  
 7837 Telegraph Rd  
 Pico Rivera, CA  
 US 90660  
 Contact: FRANK MARIN  
 Marin@RushEnterprises.Com

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)

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F: