



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**{UNASSIGNED}**

Machine Id  
**FORD 8464856**

Component  
**Diesel Engine**

Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (7 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0019378</b>	RPL0016377	RPL0013479
Sample Date		Client Info		<b>01 Apr 2024</b>	10 Nov 2023	15 Jul 2023
Machine Age	mls	Client Info		<b>14529</b>	12474	9254
Oil Age	mls	Client Info		<b>2055</b>	10982	9254
Filter Age	mls	Client Info		<b>2055</b>	10982	3187
Oil Changed		Client Info		<b>Filtered</b>	Changed	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>5</b>	13	7
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	4	3
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m	>330	<b>&lt;1</b>	<1	1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

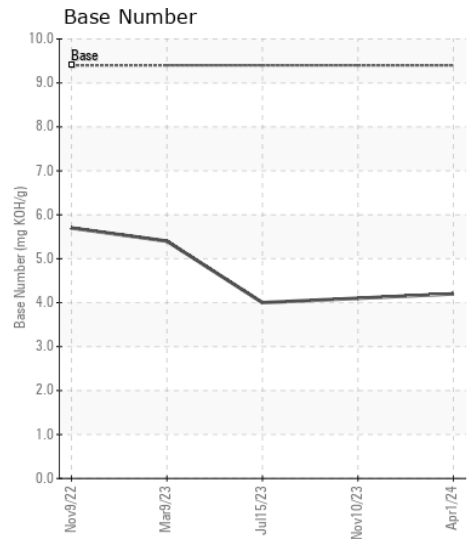
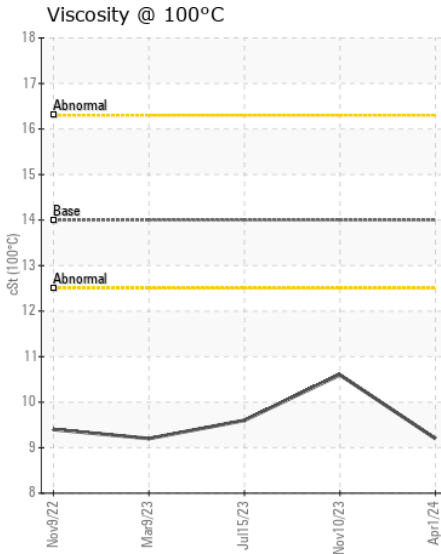
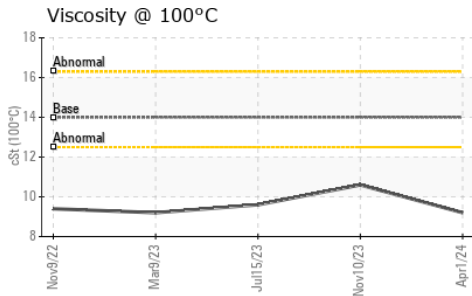
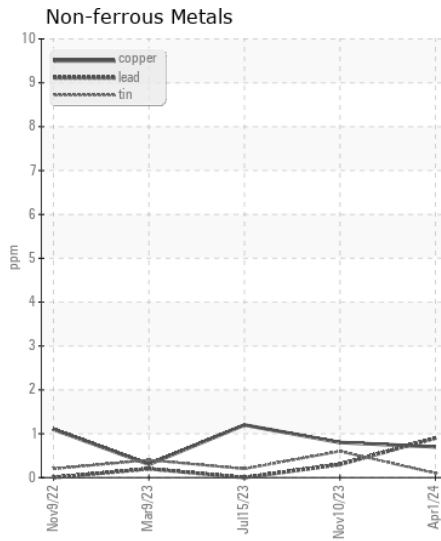
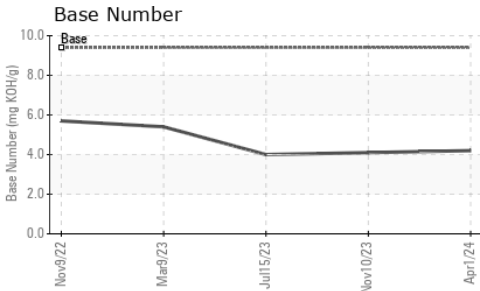
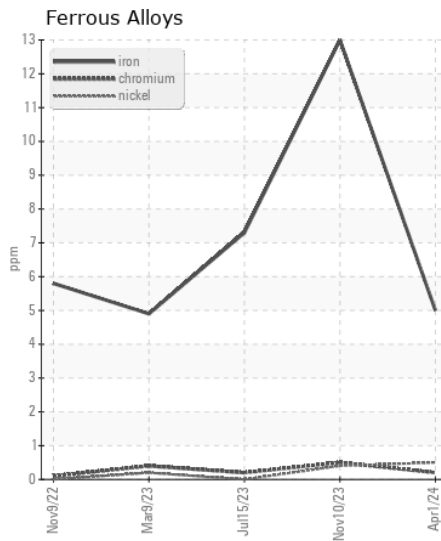
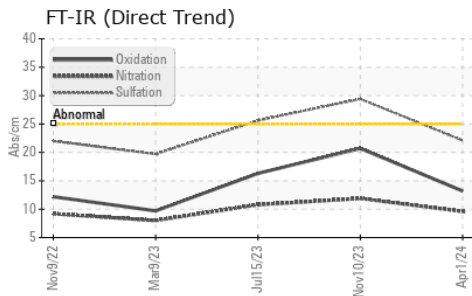
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>12</b>	20	13
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	2	2
Fuel	%	ASTM D3524	>5	<b>&lt;1.0</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>	0.1	0
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.6</b>	11.9	10.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>22.1</b>	29.4	25.6
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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>4</b>	6	6
Boron	ppm	ASTM D5185m	0	<b>57</b>	28	32
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>76</b>	71	76
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>580</b>	547	551
Calcium	ppm	ASTM D5185m		<b>1052</b>	988	1014
Phosphorus	ppm	ASTM D5185m		<b>726</b>	647	653
Zinc	ppm	ASTM D5185m		<b>887</b>	851	824
Sulfur	ppm	ASTM D5185m		<b>3588</b>	2713	3386
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>13.2</b>	20.7	16.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>4.2</b>	4.1	4.0
Visc @ 100°C	cSt	ASTM D445	14	<b>9.2</b>	10.6	9.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0019378 **Received** : 11 Apr 2024  
**Lab Number** : 06145609 **Tested** : 12 Apr 2024  
**Unique Number** : 10970417 **Diagnosed** : 12 Apr 2024 - Jonathan Hester  
**Test Package** : FLEET ( Additional Tests: FuelDilution )

**RTL PACLEASE - 7006 - Pico Rivera**  
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 Pico Rivera, CA  
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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: