



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
FORD 8465156
 Component
Gasoline Engine
 Fluid
MOTORCRAFT SUPER PREMIUM SAE 5W30 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0021015	RPL0017555	---
Sample Date		Client Info		12 Jun 2024	24 Jan 2024	---
Machine Age	mls	Client Info		6755	2298	---
Oil Age	mls	Client Info		6755	2298	---
Filter Age	mls	Client Info		6755	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>150	23	14	---
Chromium	ppm	ASTM D5185m	>20	<1	<1	---
Nickel	ppm	ASTM D5185m	>5	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>2	<1	0	---
Aluminum	ppm	ASTM D5185m	>40	10	7	---
Lead	ppm	ASTM D5185m	>50	1	1	---
Copper	ppm	ASTM D5185m	>155	51	48	---
Tin	ppm	ASTM D5185m	>10	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

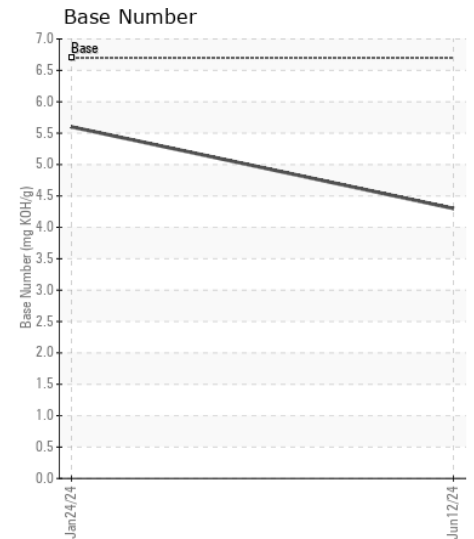
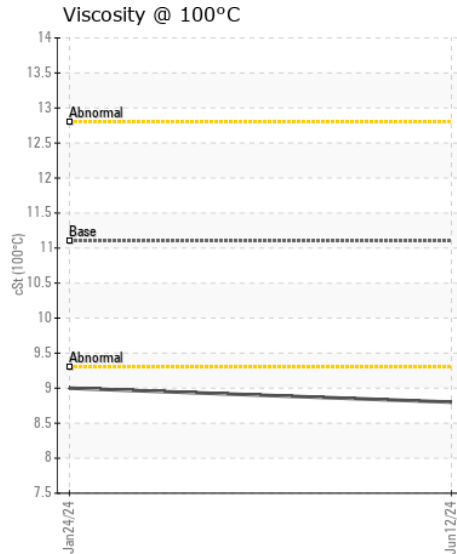
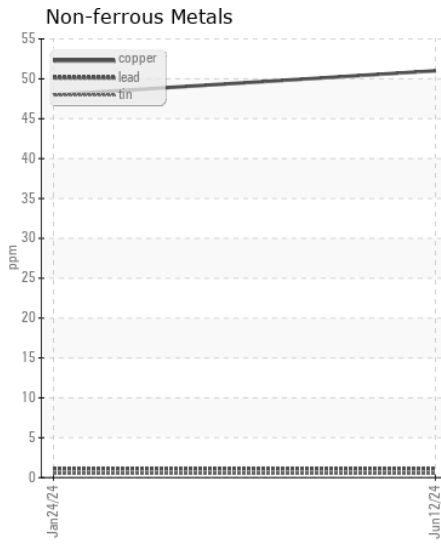
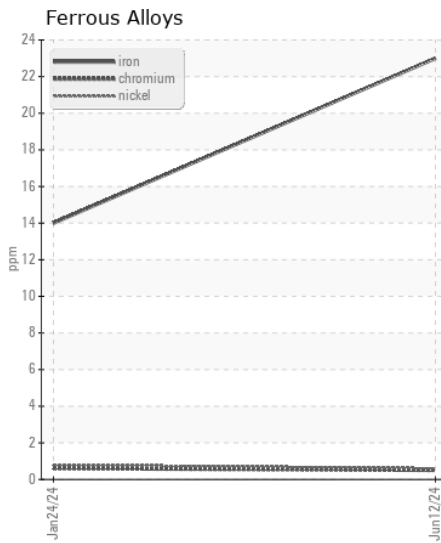
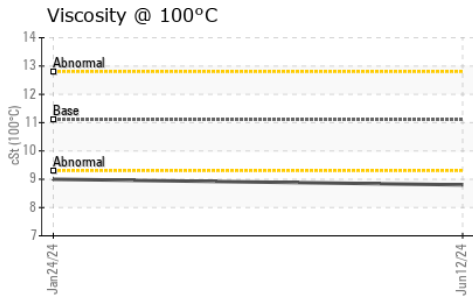
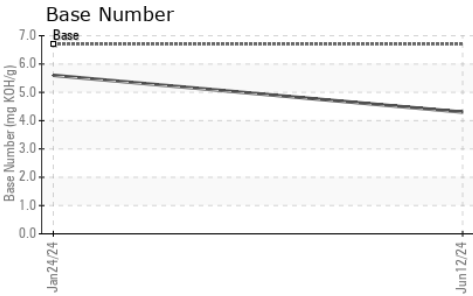
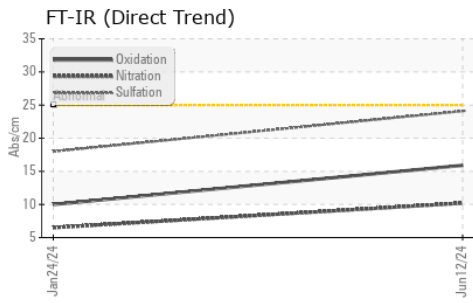
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	48	47	---
Potassium	ppm	ASTM D5185m	>20	5	4	---
Fuel	%	ASTM D3524	>4.0	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844		0	0	---
Nitration	Abs/cm	*ASTM D7624	>20	10.2	6.5	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.1	18.0	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	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	>400	6	2	---
Boron	ppm	ASTM D5185m		31	106	---
Barium	ppm	ASTM D5185m		3	0	---
Molybdenum	ppm	ASTM D5185m		147	144	---
Manganese	ppm	ASTM D5185m		12	10	---
Magnesium	ppm	ASTM D5185m		373	383	---
Calcium	ppm	ASTM D5185m		1250	1205	---
Phosphorus	ppm	ASTM D5185m		629	689	---
Zinc	ppm	ASTM D5185m		773	780	---
Sulfur	ppm	ASTM D5185m		2737	2777	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.9	10.0	---
Base Number (BN)	mg KOH/g	ASTM D2896	6.7	4.3	5.6	---
Visc @ 100°C	cSt	ASTM D445	11.1	8.8	9	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0021015 **Received** : 18 Jun 2024
Lab Number : 06213147 **Tested** : 21 Jun 2024
Unique Number : 11086011 **Diagnosed** : 21 Jun 2024 - Jonathan Hester
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

RTL PACLEASE - 7006 - Pico Rivera
 7837 Telegraph Rd
 Pico Rivera, CA
 US 90660
 Contact: GERARDO CARROLA
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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: