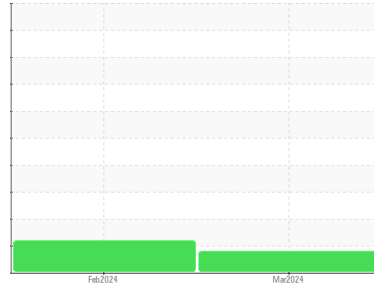


OIL ANALYSIS REPORT

Sample Rating Trend



FUEL



Machine Id
FORD 174771

Component
Gasoline Engine

Fluid
DIESEL ENGINE OIL SAE 5W30 (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PC0085541	PC0085553	---
Sample Date	Client Info		29 Mar 2024	14 Feb 2024	---
Machine Age	kms	Client Info	46100	42077	---
Oil Age	kms	Client Info	8000	0	---
Oil Changed	Client Info		N/A	Not Changd	---
Sample Status			MARGINAL	ABNORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	NEG	---
Glycol	WC Method		NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >150	13	11	---
Chromium	ppm	ASTM D5185(m) >20	<1	<1	---
Nickel	ppm	ASTM D5185(m) >5	0	<1	---
Titanium	ppm	ASTM D5185(m)	0	0	---
Silver	ppm	ASTM D5185(m) >2	0	0	---
Aluminum	ppm	ASTM D5185(m) >40	2	2	---
Lead	ppm	ASTM D5185(m) >50	0	0	---
Copper	ppm	ASTM D5185(m) >155	2	2	---
Tin	ppm	ASTM D5185(m) >10	<1	<1	---
Antimony	ppm	ASTM D5185(m)	0	0	---
Vanadium	ppm	ASTM D5185(m)	0	0	---
Beryllium	ppm	ASTM D5185(m)	0	0	---
Cadmium	ppm	ASTM D5185(m)	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 250	70	76	---
Barium	ppm	ASTM D5185(m) 10	0	0	---
Molybdenum	ppm	ASTM D5185(m) 100	73	71	---
Manganese	ppm	ASTM D5185(m)	0	0	---
Magnesium	ppm	ASTM D5185(m) 450	555	521	---
Calcium	ppm	ASTM D5185(m) 3000	1253	1238	---
Phosphorus	ppm	ASTM D5185(m) 1150	687	666	---
Zinc	ppm	ASTM D5185(m) 1350	772	733	---
Sulfur	ppm	ASTM D5185(m) 4250	2304	2419	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

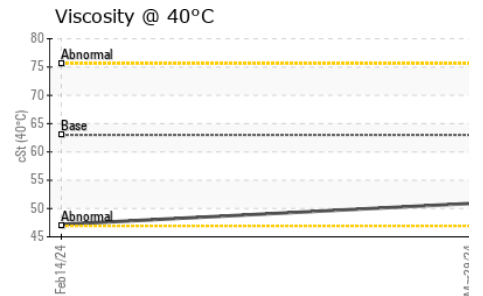
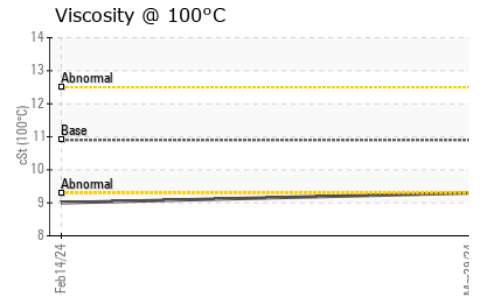
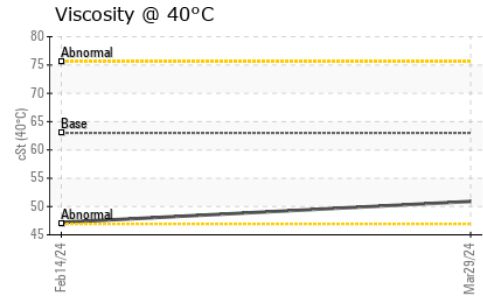
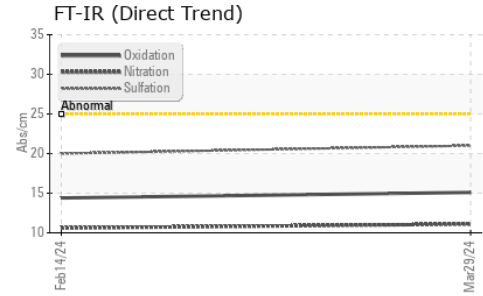
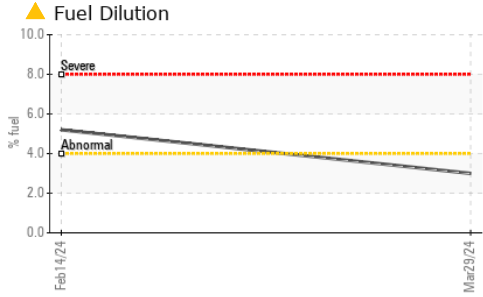
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >30	15	27	---
Sodium	ppm	ASTM D5185(m) >400	2	2	---
Potassium	ppm	ASTM D5185(m) >20	<1	<1	---
Fuel	%	ASTM D7593* >4.0	▲ 3	▲ 5.2	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	0	0	---
Nitration	Abs/cm	ASTM D7624* >20	11.1	10.6	---
Sulfation	Abs/.1mm	ASTM D7415* >30	21.0	20.0	---

OIL ANALYSIS REPORT

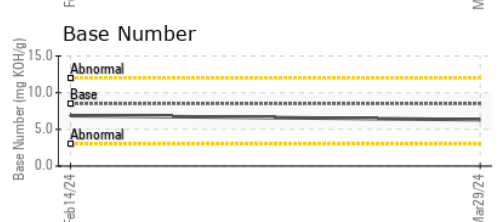
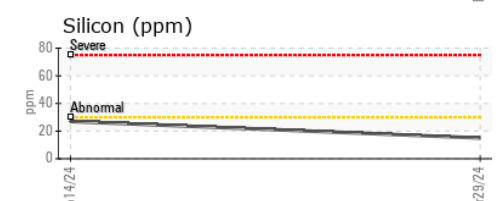
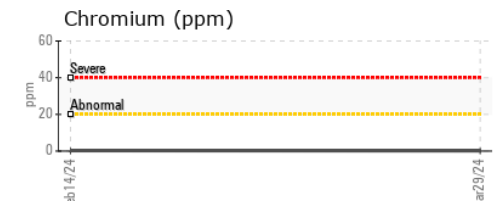
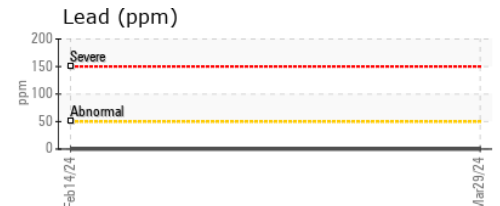
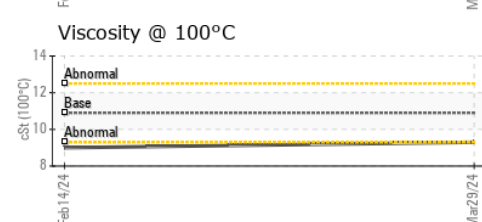
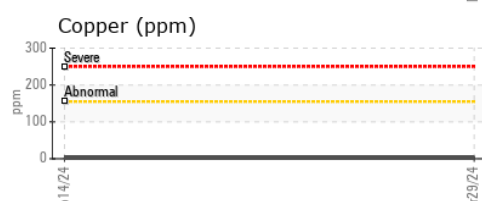
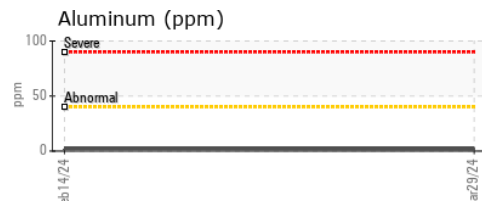
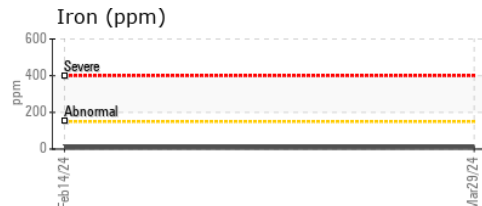


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	15.1	14.4	---
Base Number (BN)	mg KOH/g	ASTM D2896*	8.5	6.32	6.88	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	NONE	---
Silt	scalar	Visual*	NONE	VLITE	VLITE	---
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	---
Free Water	scalar	Visual*		NEG	NEG	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	63	50.9	47.2	---
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	9.3	▲ 9	---
Viscosity Index (VI)	Scale	ASTM D2270*	165	167	175	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0085541
Lab Number : **02632537**
Unique Number : 5773690
Test Package : MOB 2 (Additional Tests: KV40, PercentFuel, VI)
Received : 01 May 2024
Tested : 02 May 2024
Diagnosed : 02 May 2024 - Wes Davis

UPS CANADA
 2900 STEELES AVE W
 CONCORD, ON
 CA L4K 3S2
 Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.