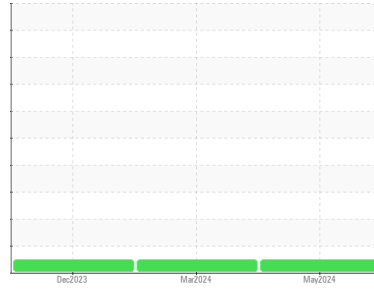




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
FORD 515414

Component
Gasoline Engine

Fluid
PETRO CANADA SUPREME 5W30 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination 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			PC0085528	PC0085539	PC0085564
Sample Date	Client Info			29 May 2024	19 Mar 2024	19 Dec 2023
Machine Age	kms	Client Info		15528	11336	3299
Oil Age	kms	Client Info		0	8000	0
Oil Changed	Client Info			Not Changed	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>4.0		<1.0	<1.0	<1.0
Water	WC Method	>0.2		NEG	NEG	NEG
Glycol	WC Method			NEG	NEG	NEG

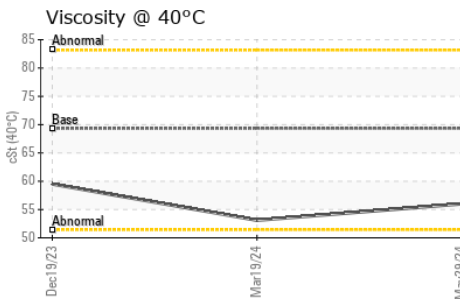
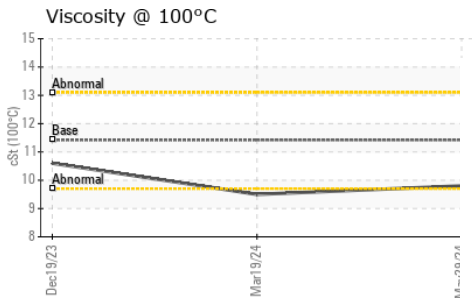
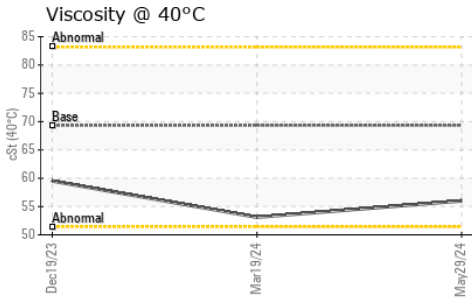
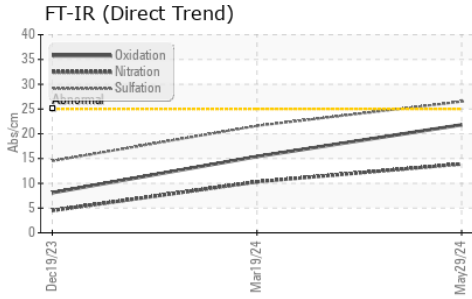
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>150	11	8	2
Chromium	ppm	ASTM D5185(m)	>20	<1	0	0
Nickel	ppm	ASTM D5185(m)	>5	<1	0	0
Titanium	ppm	ASTM D5185(m)		<1	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>40	6	4	1
Lead	ppm	ASTM D5185(m)	>50	0	0	0
Copper	ppm	ASTM D5185(m)	>155	11	10	4
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	186	32	50	171
Barium	ppm	ASTM D5185(m)	<1	<1	<1	0
Molybdenum	ppm	ASTM D5185(m)	79	75	77	70
Manganese	ppm	ASTM D5185(m)	0	1	<1	0
Magnesium	ppm	ASTM D5185(m)	578	474	486	471
Calcium	ppm	ASTM D5185(m)	1002	1189	1206	1129
Phosphorus	ppm	ASTM D5185(m)	745	619	596	595
Zinc	ppm	ASTM D5185(m)	837	696	698	668
Sulfur	ppm	ASTM D5185(m)	2502	2149	2215	2268
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	37	31	21
Sodium	ppm	ASTM D5185(m)	>400	6	4	2
Potassium	ppm	ASTM D5185(m)	>20	3	1	1

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	13.9	10.3	4.5
Sulfation	Abs./1mm	ASTM D7415*	>30	26.5	21.6	14.5

OIL ANALYSIS REPORT

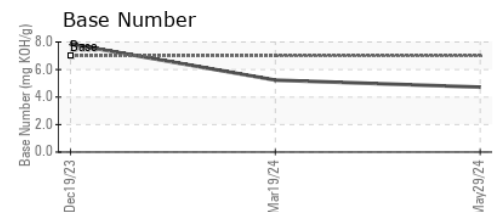
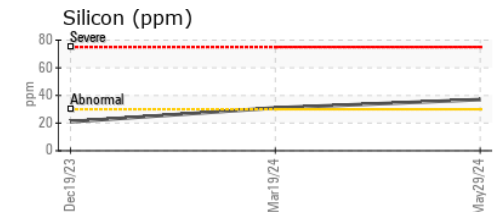
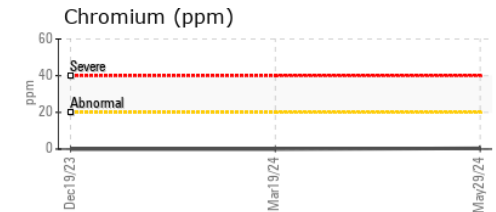
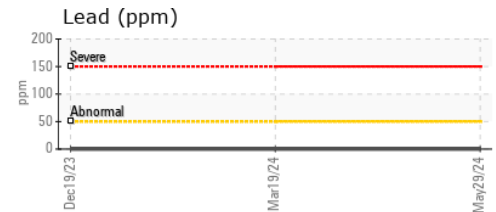
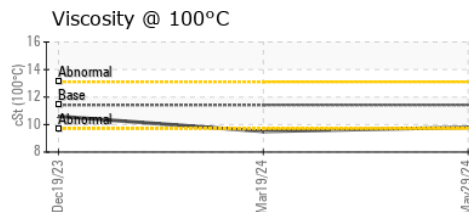
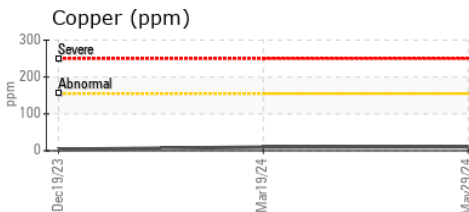
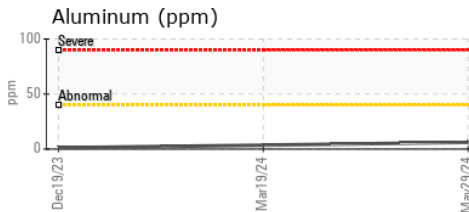
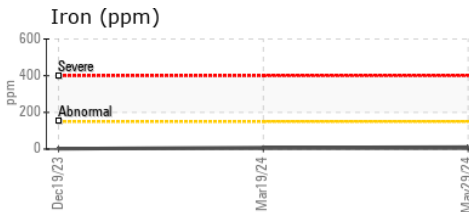


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	21.8	15.4	8.1
Base Number (BN)	mg KOH/g	ASTM D2896*	7.0	4.72	5.23	7.85

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	VLITE
Silt	scalar	Visual*	NONE	LIGHT	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	69.33	56.0	53.1	59.5
Visc @ 100°C	cSt	ASTM D7279(m)	11.42	9.8	9.5	10.6
Viscosity Index (VI)	Scale	ASTM D2270*	159	161	164	169

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0085528 **Received** : 19 Jun 2024
Lab Number : **02642845** **Tested** : 20 Jun 2024
Unique Number : 5800384 **Diagnosed** : 20 Jun 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: KV40, VI)

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.