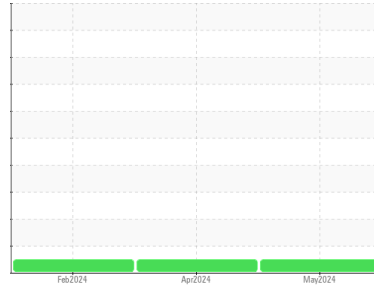


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
FORD 515613
Component
Gasoline Engine
Fluid
DISEL ENGINE OIL SAE 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			PC0085529	PC0085545	PC0085560
Sample Date	Client Info			22 May 2024	05 Apr 2024	20 Feb 2024
Machine Age	kms	Client Info		15020	11011	6957
Oil Age	kms	Client Info		0	0	0
Oil Changed	Client Info			N/A	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

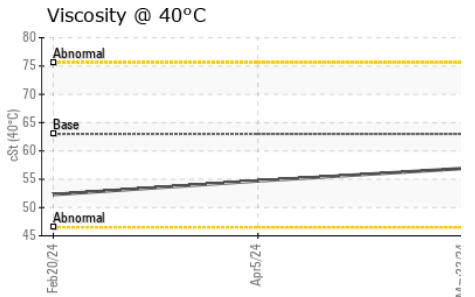
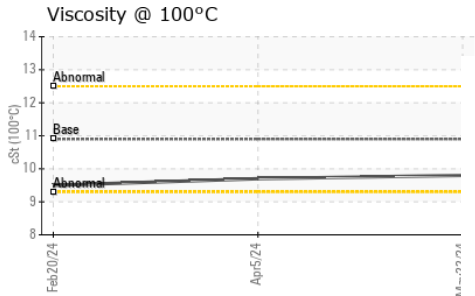
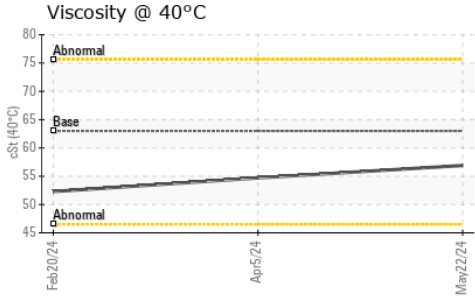
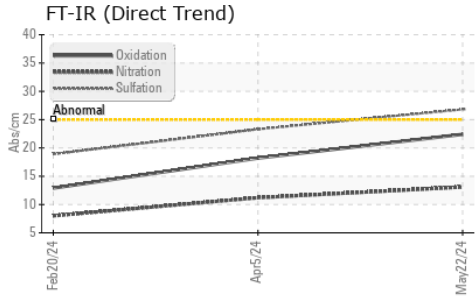
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>150	14	11	8
Chromium	ppm	ASTM D5185(m)	>20	<1	0	0
Nickel	ppm	ASTM D5185(m)	>5	0	0	<1
Titanium	ppm	ASTM D5185(m)		<1	<1	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>40	4	3	3
Lead	ppm	ASTM D5185(m)	>50	0	0	<1
Copper	ppm	ASTM D5185(m)	>155	8	8	8
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)	250	39	49	108
Barium	ppm	ASTM D5185(m)	10	<1	<1	0
Molybdenum	ppm	ASTM D5185(m)	100	79	77	77
Manganese	ppm	ASTM D5185(m)		1	1	<1
Magnesium	ppm	ASTM D5185(m)	450	522	504	512
Calcium	ppm	ASTM D5185(m)	3000	1240	1219	1251
Phosphorus	ppm	ASTM D5185(m)	1150	659	632	669
Zinc	ppm	ASTM D5185(m)	1350	748	723	739
Sulfur	ppm	ASTM D5185(m)	4250	2247	2206	2450
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	38	34	33
Sodium	ppm	ASTM D5185(m)	>400	5	4	3
Potassium	ppm	ASTM D5185(m)	>20	1	<1	<1

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	13.1	11.2	8.0
Sulfation	Abs./1mm	ASTM D7415*	>30	26.8	23.3	18.9

OIL ANALYSIS REPORT

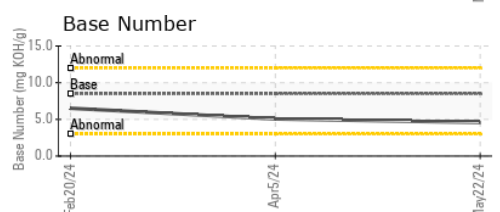
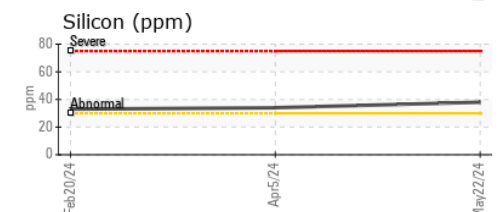
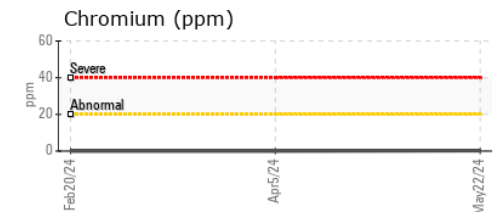
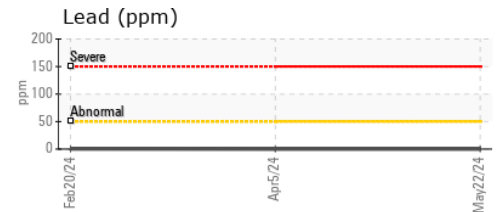
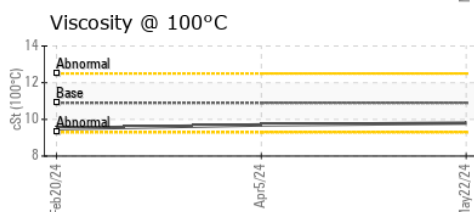
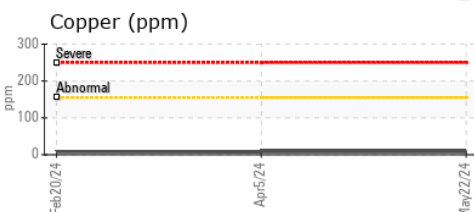
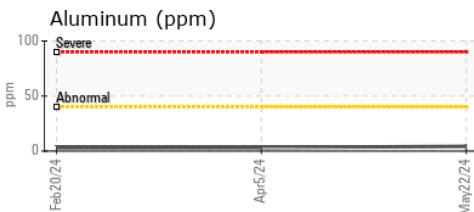
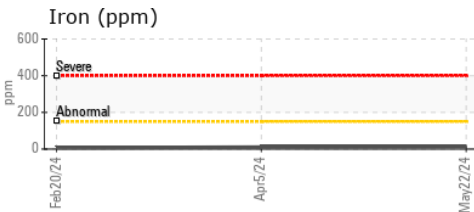


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	22.4	18.2	12.9
Base Number (BN)	mg KOH/g	ASTM D2896*	8.5	4.58	5.06	6.52

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	NONE	VLITE	NONE
Debris	scalar	Visual*	NONE	VLITE	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)	63	56.9	54.7	52.3
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	9.8	9.7	9.5
Viscosity Index (VI)	Scale	ASTM D2270*	165	158	163	167

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0085529 **Received** : 27 May 2024
Lab Number : **02637622** **Tested** : 28 May 2024
Unique Number : 5786784 **Diagnosed** : 28 May 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.