



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
4000 series
Machine Id
Ford 4284
Component
Gasoline Engine
Fluid
SAE 5W20 (7 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0805651	WC0486543	WC0663936
Sample Date		Client Info		22 May 2024	13 Sep 2023	18 Apr 2022
Machine Age	mls	Client Info		168285	0	78010
Oil Age	mls	Client Info		0	0	7526
Filter Age	mls	Client Info		0	0	7526
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>150	64	53	41
Chromium	ppm	ASTM D5185(m)	>20	2	2	2
Nickel	ppm	ASTM D5185(m)	>5	<1	0	<1
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>40	19	11	10
Lead	ppm	ASTM D5185(m)	>50	0	0	<1
Copper	ppm	ASTM D5185(m)	>155	2	3	3
Tin	ppm	ASTM D5185(m)	>10	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	<1	0

CONTAMINATION

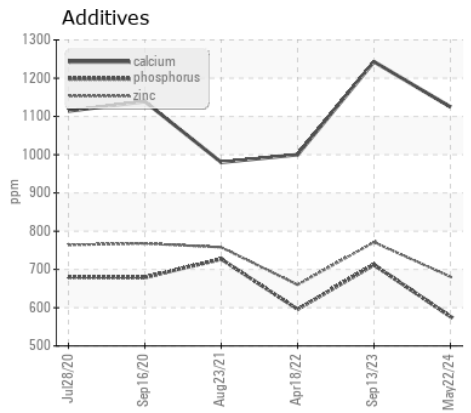
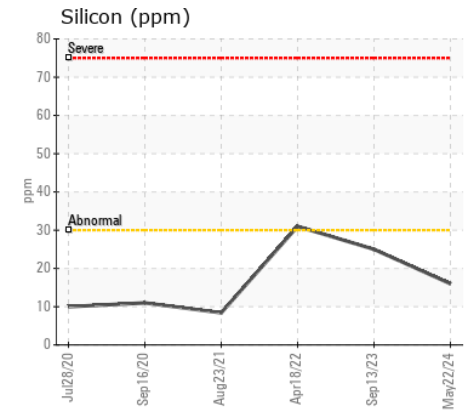
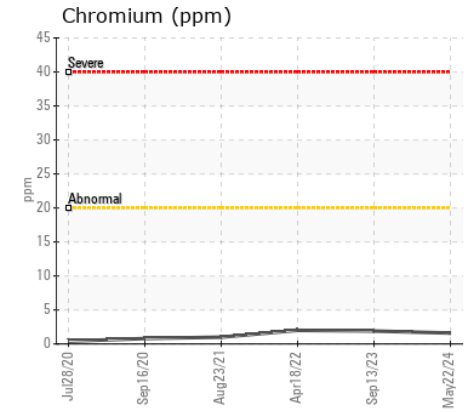
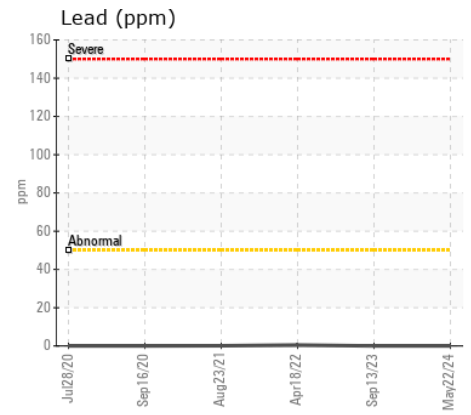
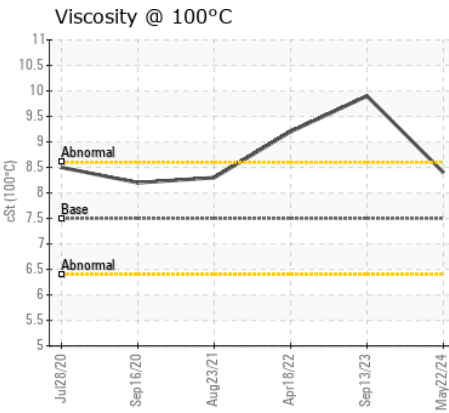
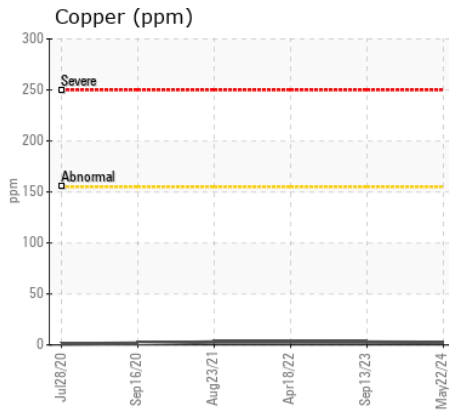
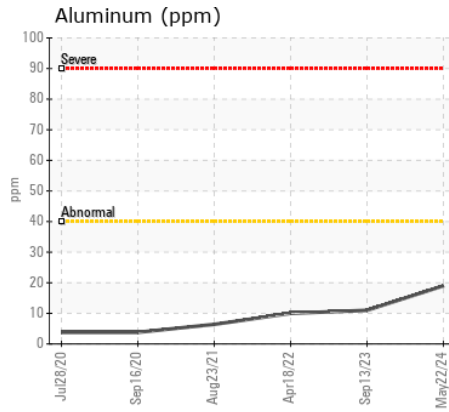
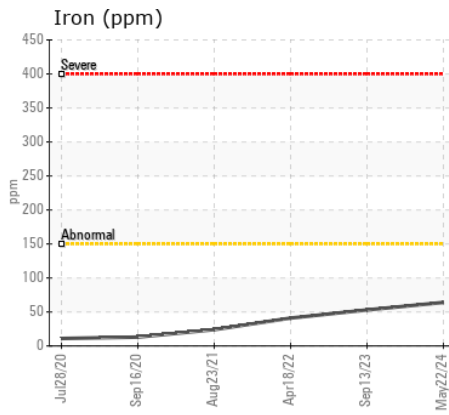
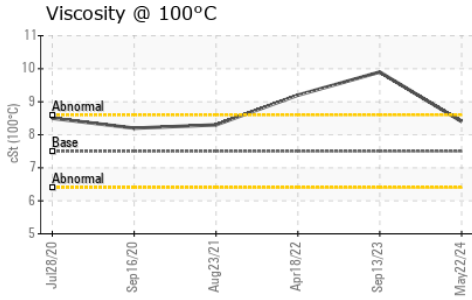
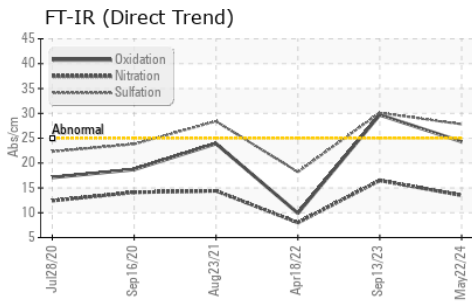
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>30	16	25	▲ 31
Potassium	ppm	ASTM D5185(m)	>20	1	2	3
Fuel		WC Method	>4.0	<1.0	▲ 2.4	1.5
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	13.5	16.5	8.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	27.8	▲ 30.1	18.2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		7	12	6
Boron	ppm	ASTM D5185(m)		22	16	43
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)		193	235	72
Manganese	ppm	ASTM D5185(m)		2	2	<1
Magnesium	ppm	ASTM D5185(m)		496	556	425
Calcium	ppm	ASTM D5185(m)		1125	1243	1000
Phosphorus	ppm	ASTM D5185(m)		577	712	596
Zinc	ppm	ASTM D5185(m)		681	771	660
Sulfur	ppm	ASTM D5185(m)		1682	1810	1681
Oxidation	Abs/.1mm	ASTM D7414*	>25	24.3	▲ 29.7	9.9
Visc @ 100°C	cSt	ASTM D7279(m)	7.5	8.4	9.9	9.2



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0805651
Lab Number : 02639138
Unique Number : 5788300
Test Package : MOB 1
Received : 31 May 2024
Tested : 31 May 2024
Diagnosed : 31 May 2024 - Wes Davis

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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.