



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
CATERPILLAR SUNLIFE G1 (S/N 24Z09578)
Component
Diesel Engine
Fluid
APRIL SUPERFLO GOLD K 15W40 (--- 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		WC0841623	WC0817531	WC0393560
Sample Date		Client Info		09 Apr 2024	18 May 2023	20 Aug 2020
Machine Age	hrs	Client Info		0	0	527
Oil Age	hrs	Client Info		0	7	20
Filter Age	hrs	Client Info		0	7	20
Oil Changed		Client Info		N/A	Not Chngd	Not Chngd
Filter Changed		Client Info		N/A	Not Chngd	Not Chngd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	1	1	1
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<1	1	2
Lead	ppm	ASTM D5185(m)	>40	0	0	0
Copper	ppm	ASTM D5185(m)	>330	11	<1	1
Tin	ppm	ASTM D5185(m)	>15	0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	<1
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

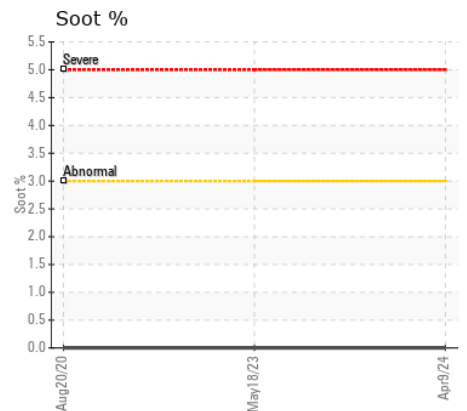
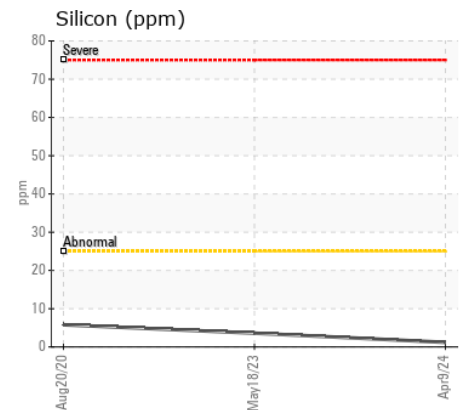
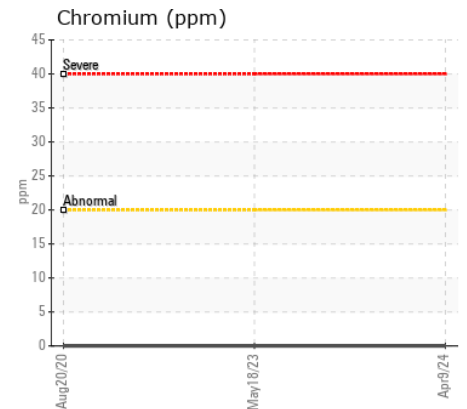
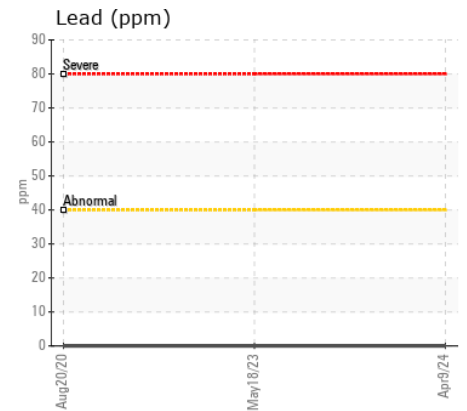
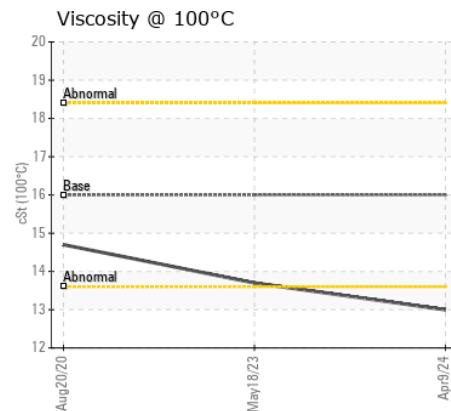
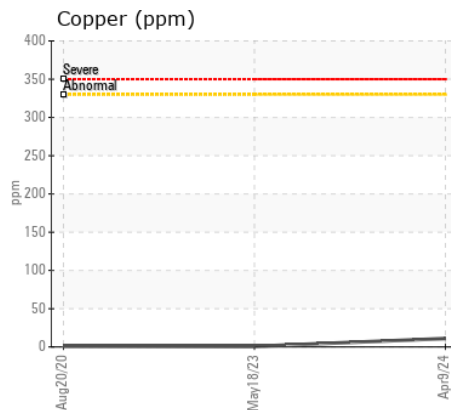
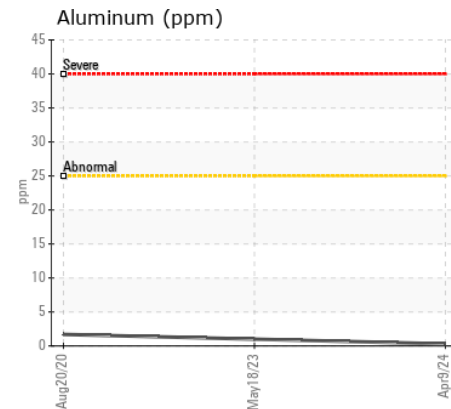
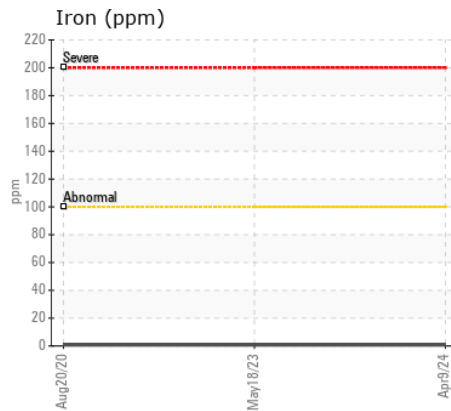
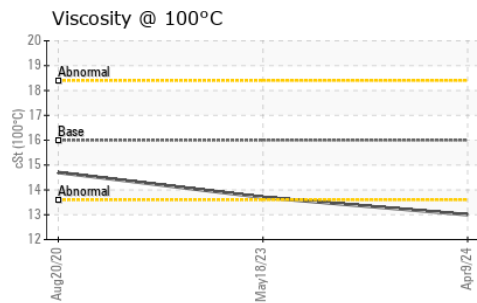
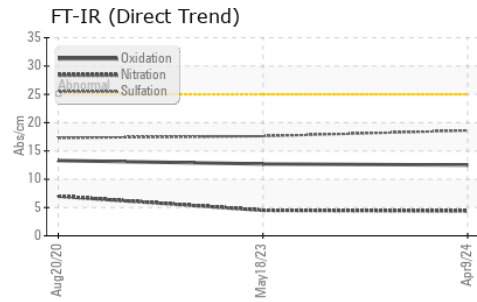
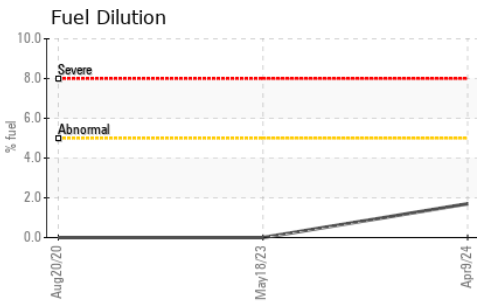
Light fuel dilution occurring. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185(m)	>25	1	4	6
Potassium	ppm	ASTM D5185(m)	>20	0	0	2
Fuel	%	ASTM D7593*	>5	1.7	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	4.4	4.5	7.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.6	17.6	17.3
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
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)		1	1	2
Boron	ppm	ASTM D5185(m)	34	10	10	93
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	70	58	59	77
Manganese	ppm	ASTM D5185(m)		0	<1	0
Magnesium	ppm	ASTM D5185(m)	640	915	921	29
Calcium	ppm	ASTM D5185(m)	1410	1037	1063	2151
Phosphorus	ppm	ASTM D5185(m)	1020	973	1050	1030
Zinc	ppm	ASTM D5185(m)	1170	1105	1136	1167
Sulfur	ppm	ASTM D5185(m)	2930	2329	2657	3200
Oxidation	Abs/.1mm	ASTM D7414*	>25	12.5	12.7	13.3
Visc @ 100°C	cSt	ASTM D7279(m)	16.0	13.0	13.7	14.7



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0841623
Lab Number : 02628065
Unique Number : 5761197
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel, Visual)

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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.