



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
A BURG E2
 Component
Diesel Engine
 Fluid
CASTROL 15W40 (22 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0867253	WC0760634	WC0661114
Sample Date		Client Info		09 Apr 2024	17 Apr 2023	07 Apr 2022
Machine Age	hrs	Client Info		5274	4686	4058
Oil Age	hrs	Client Info		588	628	547
Filter Age	hrs	Client Info		588	0	547
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	36	33	28
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	3	3	4
Lead	ppm	ASTM D5185(m)	>40	19	24	16
Copper	ppm	ASTM D5185(m)	>330	8	8	7
Tin	ppm	ASTM D5185(m)	>15	<1	1	1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

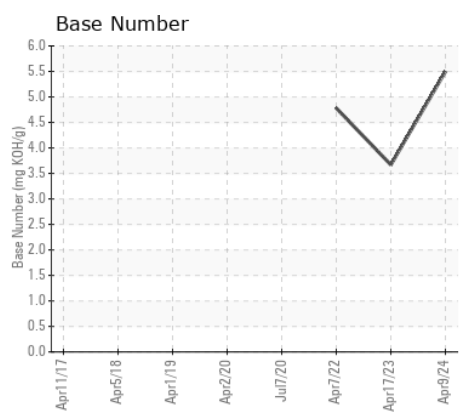
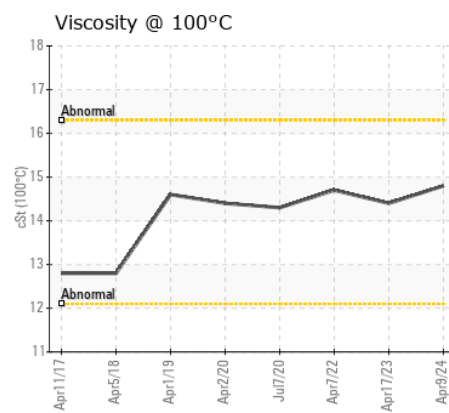
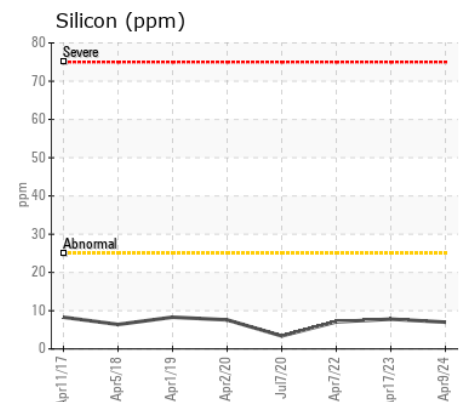
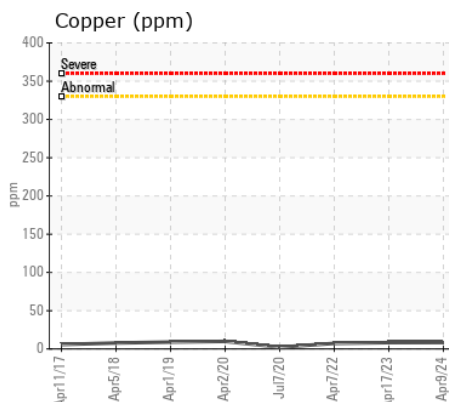
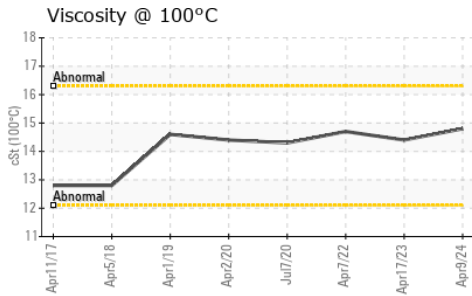
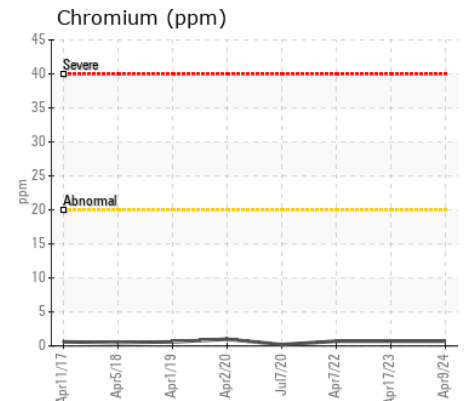
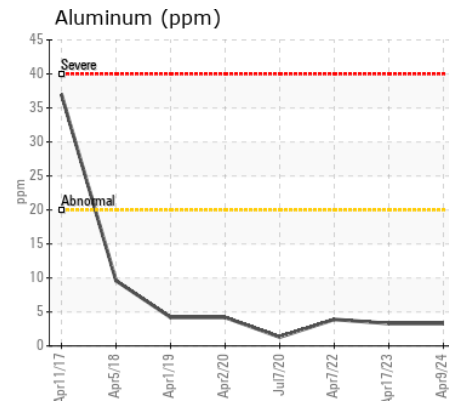
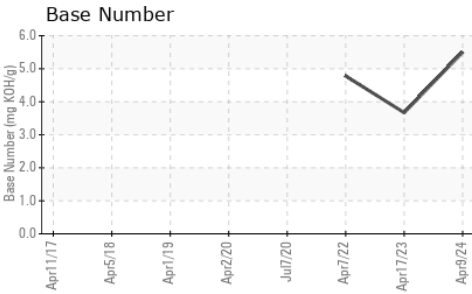
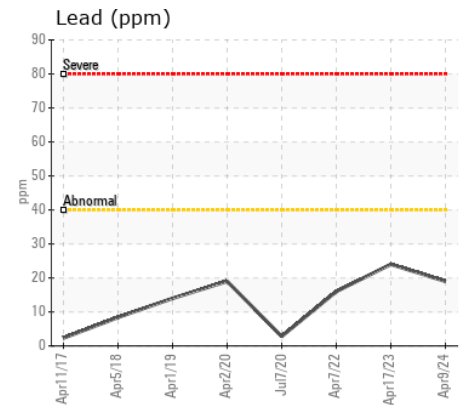
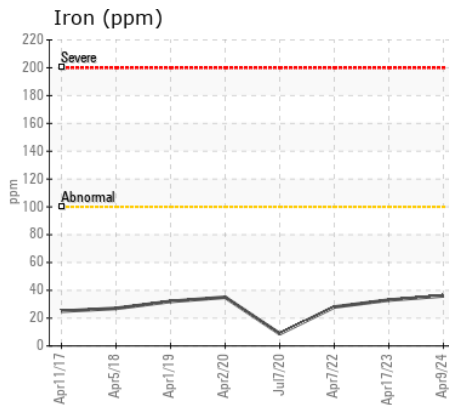
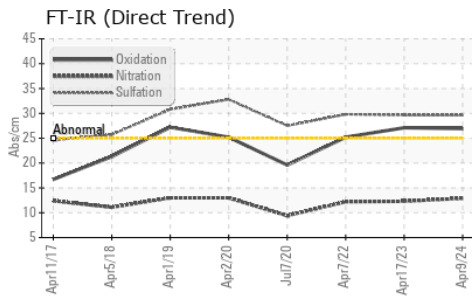
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	7	8	7
Potassium	ppm	ASTM D5185(m)	>20	10	11	12
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.8	0.8	0.6
Nitration	Abs/cm	ASTM D7624*	>20	12.9	12.3	12.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	29.6	29.6	29.8
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

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.

Sodium	ppm	ASTM D5185(m)	>406	4	6	3
Boron	ppm	ASTM D5185(m)		65	49	54
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		16	<1	1
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)		93	14	26
Calcium	ppm	ASTM D5185(m)		2227	2248	2188
Phosphorus	ppm	ASTM D5185(m)		912	977	971
Zinc	ppm	ASTM D5185(m)		1123	1129	1125
Sulfur	ppm	ASTM D5185(m)		2731	2816	2786
Oxidation	Abs/.1mm	ASTM D7414*	>25	26.9	27.1	25.2
Base Number (BN)	mg KOH/g	ASTM D2896*		5.50	3.67	4.78
Visc @ 100°C	cSt	ASTM D7279(m)		14.8	14.4	14.7



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0867253
Lab Number : 02628649
Unique Number : 5761781
Test Package : MOB 2
Received : 15 Apr 2024
Tested : 16 Apr 2024
Diagnosed : 16 Apr 2024 - Kevin Marson

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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.