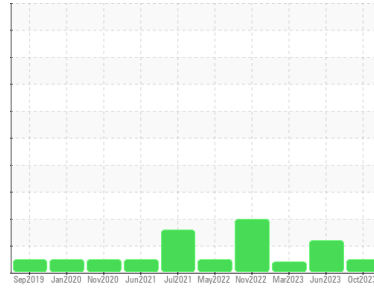




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

9557

Component

Diesel Engine

Fluid

CHEVRON DELO 400 XLE 10W30 (--- 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 condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0853401	WC0796320	WC0796363
Sample Date	Client Info		01 Oct 2023	17 Jun 2023	12 Mar 2023
Machine Age	kms	Client Info	552494	518363	478631
Oil Age	kms	Client Info	0	0	0
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			NORMAL	ABNORMAL	ABNORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>3.0	<1.0	▲ 1.3	1
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>90	34	84	35
Chromium	ppm	ASTM D5185(m)	>20	2	4	2
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	<1	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	4	8	5
Lead	ppm	ASTM D5185(m)	>40	10	12	4
Copper	ppm	ASTM D5185(m)	>330	2	2	<1
Tin	ppm	ASTM D5185(m)	>15	<1	1	<1
Antimony	ppm	ASTM D5185(m)		0	0	<1
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)		21	25	32
Barium	ppm	ASTM D5185(m)		<1	0	0
Molybdenum	ppm	ASTM D5185(m)		2	10	4
Manganese	ppm	ASTM D5185(m)		0	1	<1
Magnesium	ppm	ASTM D5185(m)		793	787	734
Calcium	ppm	ASTM D5185(m)		1462	1542	1435
Phosphorus	ppm	ASTM D5185(m)		743	857	760
Zinc	ppm	ASTM D5185(m)		849	900	782
Sulfur	ppm	ASTM D5185(m)		2546	2592	2510
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	6	7	5
Sodium	ppm	ASTM D5185(m)		4	3	3
Potassium	ppm	ASTM D5185(m)	>20	4	8	5

INFRA-RED

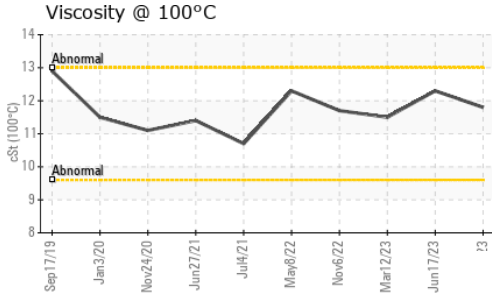
	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>6	0.4	0.9	0.3
Nitration	Abs/cm	ASTM D7624*	>20	11.5	13.8	12.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	26.8	30.7	27.3

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	ASTM D7414*	>25	24.3	29.2	21.4



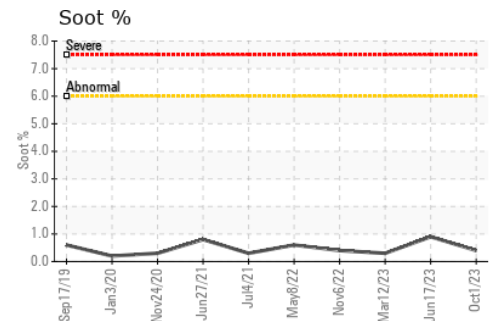
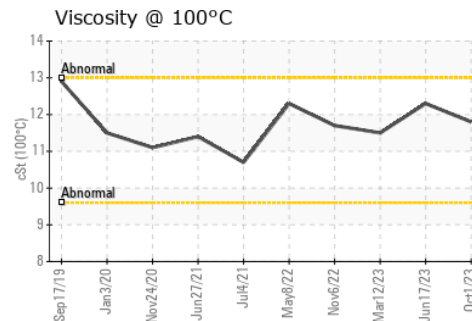
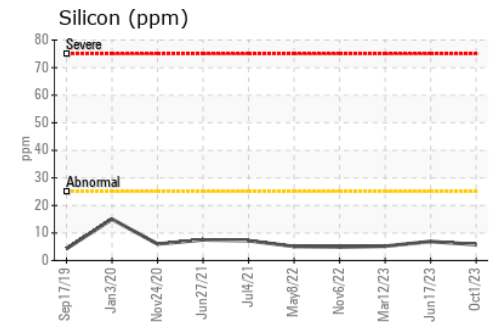
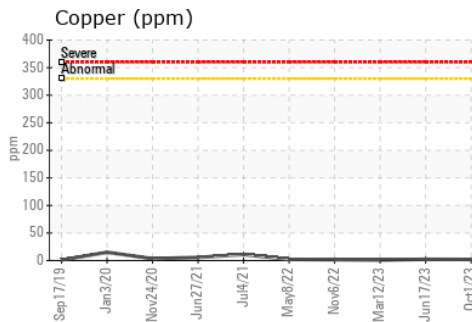
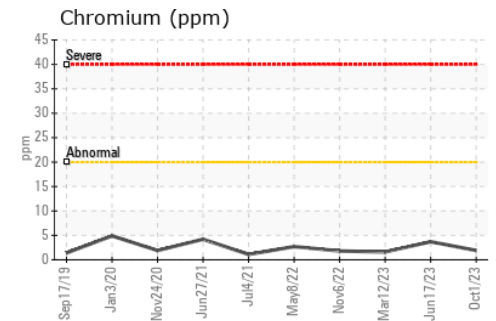
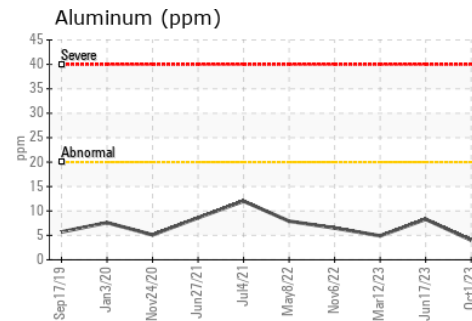
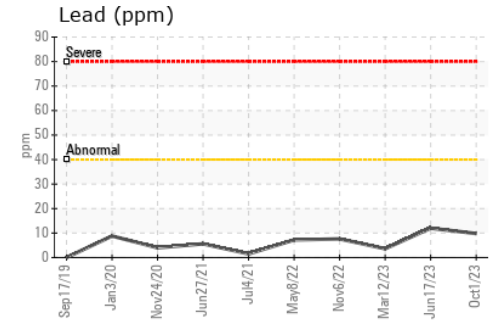
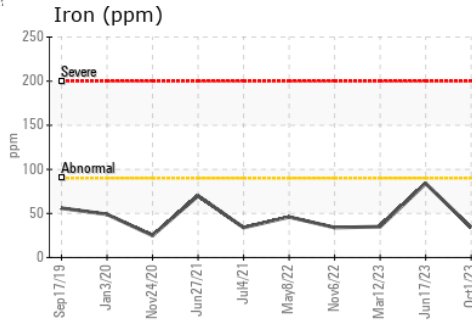
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	11.8	▲ 12.3	▲ 11.5

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0853401 **Received** : 05 Oct 2023
Lab Number : 02587070 **Diagnosed** : 05 Oct 2023
Unique Number : 5656136 **Diagnostician** : Wes Davis
Test Package : MOB 1

Rush Truck Centres
 7450 Torbram Rd.
 Mississauga, ON
 CA L4T 1G9
 Contact: Serdar Okur
 sokur@rushtruckcentres.ca
 T: (905)671-7600
 F:

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.