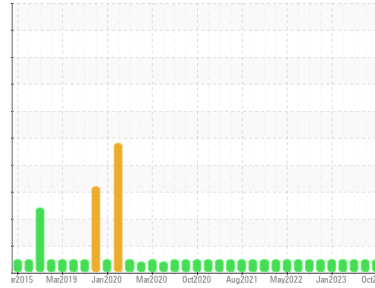




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
Toronto Shunt
 Machine Id
AUTOCAR 5006

Component
Natural Gas Engine
 Fluid
PETRO CANADA DURON SHP 15W40 (24 LTR)

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		WC0848055	WC0828330	WC0785996
Sample Date	Client Info		01 Oct 2023	23 Jul 2023	02 Apr 2023
Machine Age	hrs	Client Info	28345	27792	27046
Oil Age	hrs	Client Info	553	44	367
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >50	9	8	2
Chromium	ppm	ASTM D5185(m) >4	<1	<1	0
Nickel	ppm	ASTM D5185(m) >2	0	0	<1
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m) >3	0	0	0
Aluminum	ppm	ASTM D5185(m) >9	<1	<1	<1
Lead	ppm	ASTM D5185(m) >30	<1	<1	<1
Copper	ppm	ASTM D5185(m) >35	<1	<1	<1
Tin	ppm	ASTM D5185(m) >4	0	0	0
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) 0	3	2	7
Barium	ppm	ASTM D5185(m) 0	0	0	0
Molybdenum	ppm	ASTM D5185(m) 60	68	68	60
Manganese	ppm	ASTM D5185(m) 0	0	<1	<1
Magnesium	ppm	ASTM D5185(m) 1010	1132	1142	989
Calcium	ppm	ASTM D5185(m) 1070	1269	1221	1125
Phosphorus	ppm	ASTM D5185(m) 1150	1149	1211	1130
Zinc	ppm	ASTM D5185(m) 1270	1400	1366	1207
Sulfur	ppm	ASTM D5185(m) 2060	2662	2692	2796
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >+100	3	3	3
Sodium	ppm	ASTM D5185(m)	2	1	2
Potassium	ppm	ASTM D5185(m) >20	0	0	0

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	7.1	5.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.3	19.3

FLUID DEGRADATION

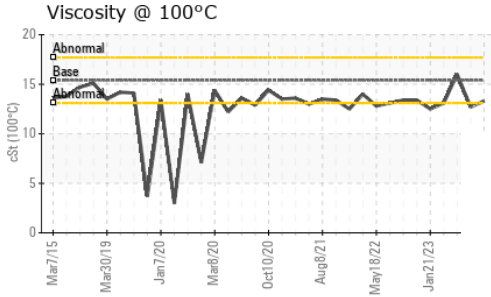
	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.4	12.6

VISUAL

	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*	NEG	NEG	NEG

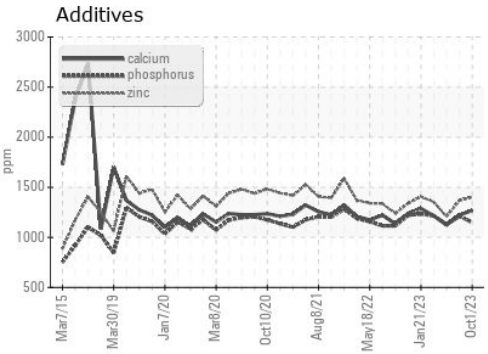
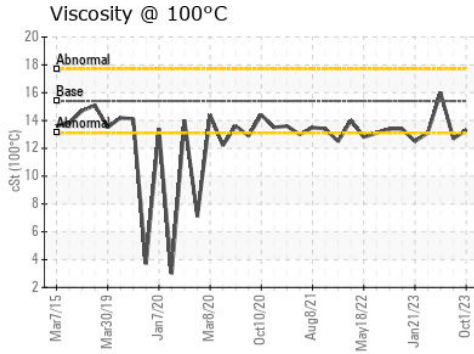
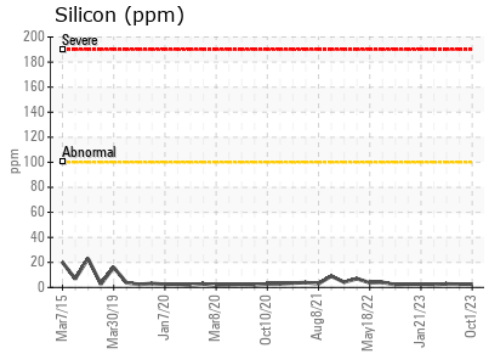
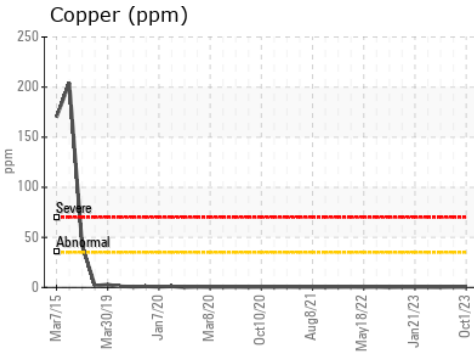
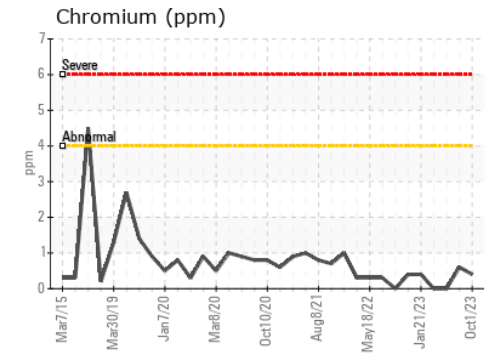
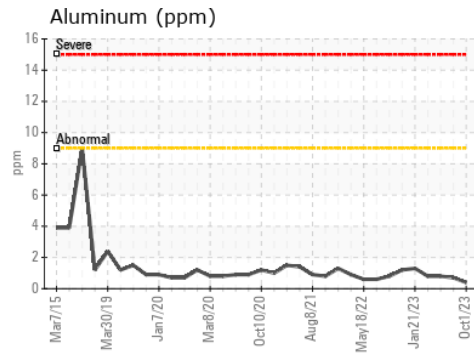
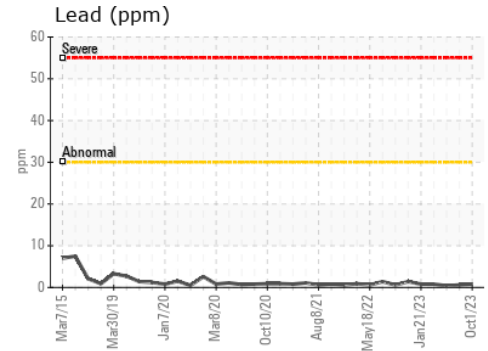
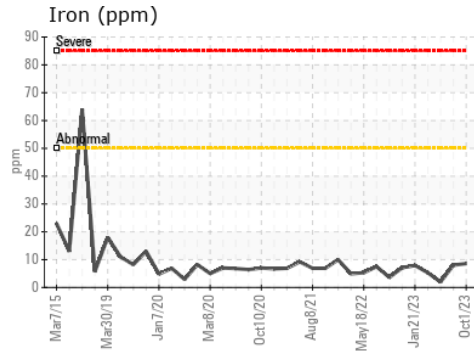


OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	13.3	12.7	16.0

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **MANITOU LIN TRANSPORT (GARAGE)**
Sample No. : WC0848055 **Received** : 03 Oct 2023 1335 SHAWSON DRIVE
Lab Number : **02586336** **Diagnosed** : 03 Oct 2023 MISSISSAUGA, ON
Unique Number : 5655402 **Diagnostician** : Wes Davis CA L4W 1C4
Test Package : MOB 1

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.

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 F: (905)564-6361