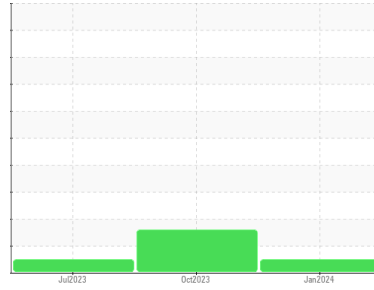


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
DAEWOO TOWERSIDE PG1
Component
Propane Engine
Fluid
PETRO CANADA SENTRON LD 5000 (--- 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PC0078885	PC0073810	PC0073694
Sample Date	Client Info			31 Jan 2024	27 Oct 2023	28 Jul 2023
Machine Age	hrs	Client Info		12045	11485	10835
Oil Age	hrs	Client Info		570	640	0
Oil Changed	Client Info			Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	NEG	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	23	29	34
Chromium	ppm	ASTM D5185(m)	>25	5	5	6
Nickel	ppm	ASTM D5185(m)	>5	<1	1	1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	5	6	5
Lead	ppm	ASTM D5185(m)	>25	2	3	4
Copper	ppm	ASTM D5185(m)	>35	3	6	17
Tin	ppm	ASTM D5185(m)	>8	<1	<1	<1
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

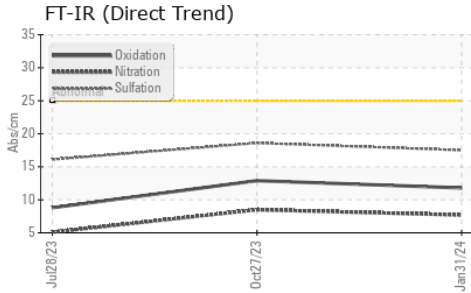
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	2	1	<1	1
Barium	ppm	ASTM D5185(m)	3	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<1	<1	<1
Manganese	ppm	ASTM D5185(m)	0	0	<1	1
Magnesium	ppm	ASTM D5185(m)	4	11	10	5
Calcium	ppm	ASTM D5185(m)	1727	2044	2013	1223
Phosphorus	ppm	ASTM D5185(m)	272	325	346	629
Zinc	ppm	ASTM D5185(m)	333	387	414	751
Sulfur	ppm	ASTM D5185(m)	3415	2874	3011	2331
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	2	3	3
Sodium	ppm	ASTM D5185(m)		4	1	2
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	0

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	7.7	8.5	5.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.5	18.6	16.1

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	11.8	12.9	8.8
Acid Number (AN)	mg KOH/g	ASTM D974*	1.1	2.51	2.86	1.69

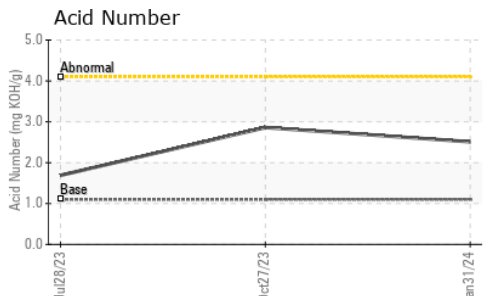
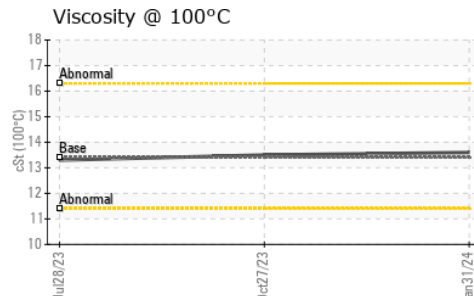
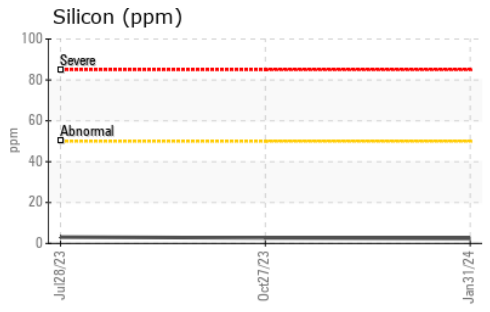
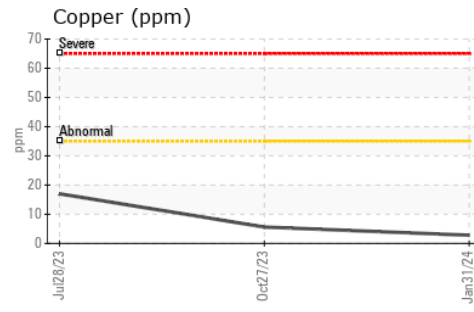
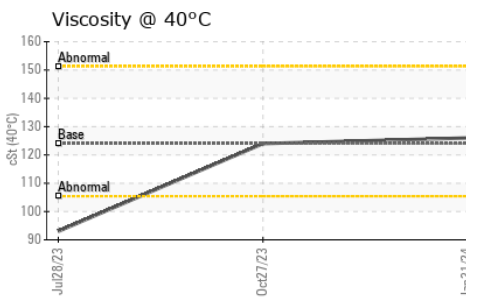
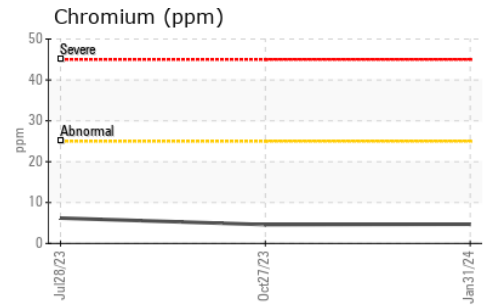
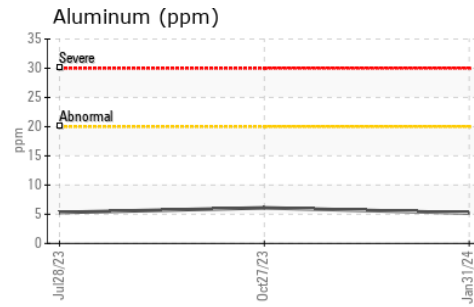
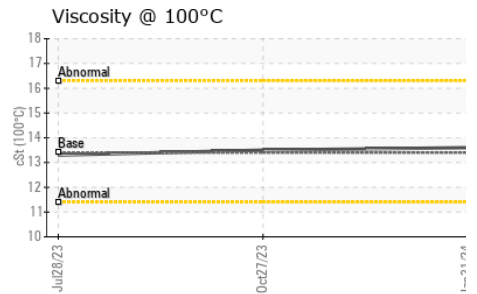
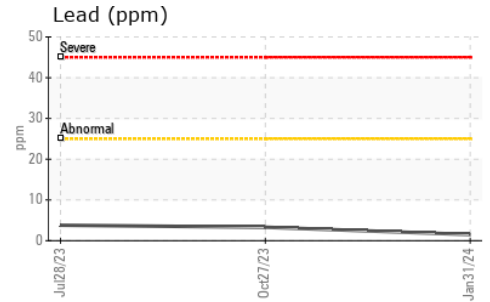
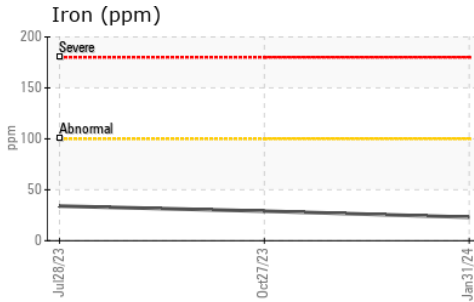
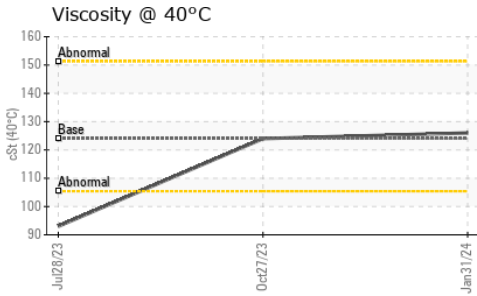
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.1	NEG	▲ .2%
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	124.0	126	124
Visc @ 100°C	cSt	ASTM D7279(m)	13.4	13.6	13.5
Viscosity Index (VI)	Scale	ASTM D2270*	104	103	104

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0078885
Lab Number : 02626590
Unique Number : 5759722
Test Package : MOB 2 (Additional Tests: KV40, TAN Man, VI)
Received : 04 Apr 2024
Tested : 05 Apr 2024
Diagnosed : 05 Apr 2024 - Wes Davis

Martin Energy Group Canada
 5531 Schummer Line
 Linwood, ON
 CA N0B 2A0
 Contact: J Wagler
 jwagler@martinenergygroup.com

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.