

Machine Id
MANN WALDON GARDEN NG2
 Component
Natural Gas 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 BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history 1	history 2
Sample Number	Client Info			PC0073840	---	---
Sample Date	Client Info			20 Jun 2023	---	---
Machine Age	hrs	Client Info		27582	---	---
Oil Age	hrs	Client Info		400	---	---
Oil Changed	Client Info			Changed	---	---
Sample Status				NORMAL	---	---

WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185(m)	>50	3	---	---
Chromium	ppm	ASTM D5185(m)	>4	0	---	---
Nickel	ppm	ASTM D5185(m)	>2	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	0	---	---
Aluminum	ppm	ASTM D5185(m)	>9	2	---	---
Lead	ppm	ASTM D5185(m)	>30	<1	---	---
Copper	ppm	ASTM D5185(m)	>35	<1	---	---
Tin	ppm	ASTM D5185(m)	>4	0	---	---
Antimony	ppm	ASTM D5185(m)		0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Beryllium	ppm	ASTM D5185(m)		0	---	---
Cadmium	ppm	ASTM D5185(m)		0	---	---

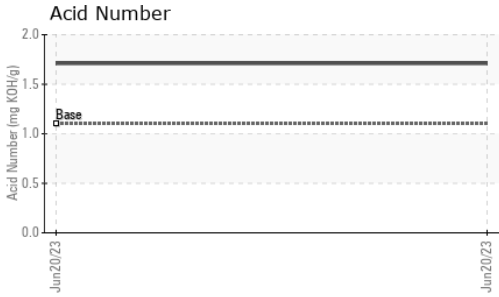
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185(m)	2	<1	---	---
Barium	ppm	ASTM D5185(m)	3	0	---	---
Molybdenum	ppm	ASTM D5185(m)	0	<1	---	---
Manganese	ppm	ASTM D5185(m)	0	<1	---	---
Magnesium	ppm	ASTM D5185(m)	4	10	---	---
Calcium	ppm	ASTM D5185(m)	1727	1958	---	---
Phosphorus	ppm	ASTM D5185(m)	272	328	---	---
Zinc	ppm	ASTM D5185(m)	333	371	---	---
Sulfur	ppm	ASTM D5185(m)	3415	2788	---	---
Lithium	ppm	ASTM D5185(m)		<1	---	---

CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185(m)	>+100	2	---	---
Sodium	ppm	ASTM D5185(m)		<1	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---

INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	5.4	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.7	---	---

FLUID DEGRADATION		method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	ASTM D7414*	>25	11.1	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	1.1	1.71	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*	4.9	4.20	---	---
i-pH	Scale 0-14	ASTM D7946*	<4.5	5.48	---	---

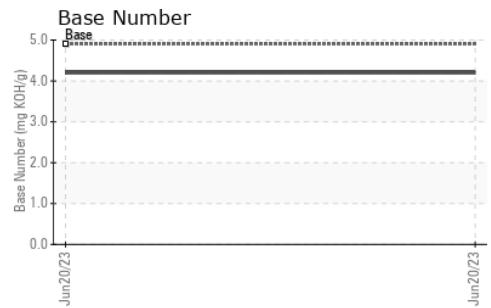
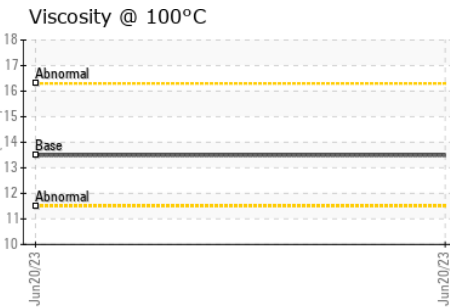
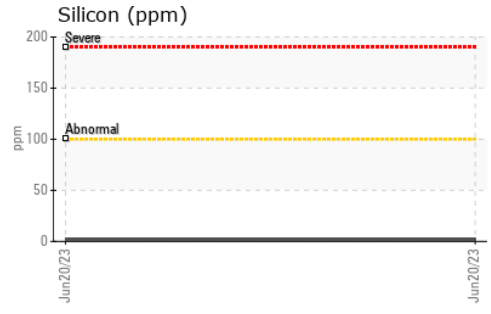
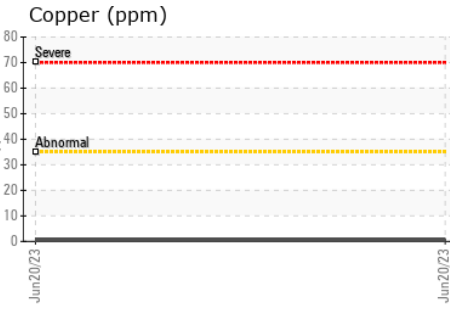
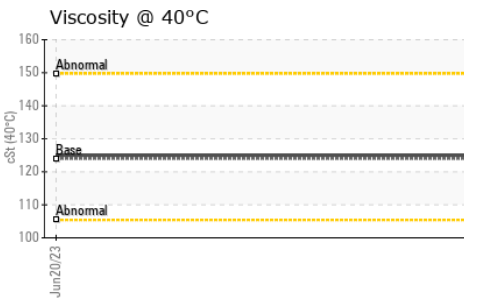
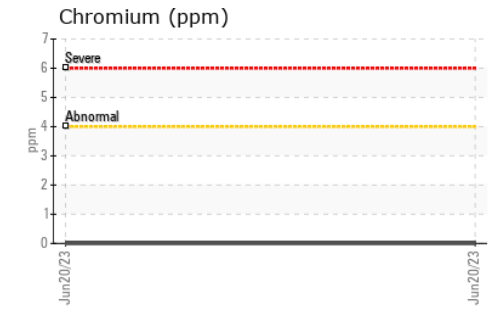
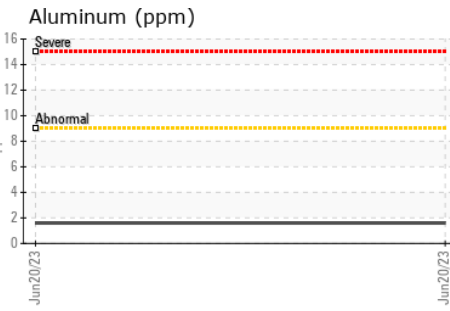
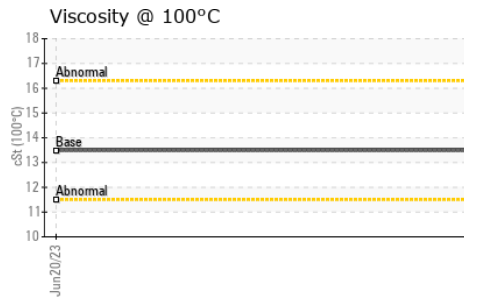
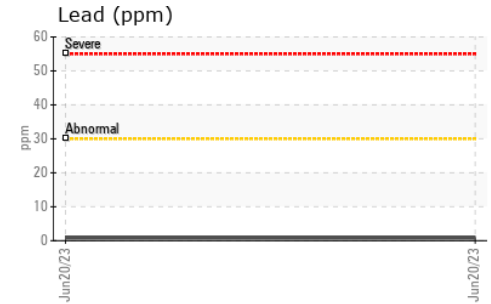
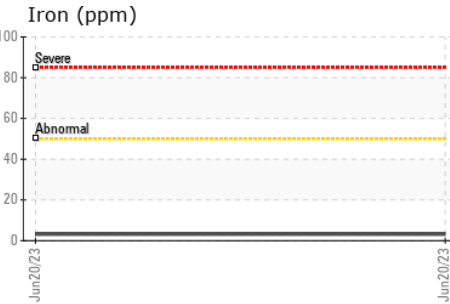
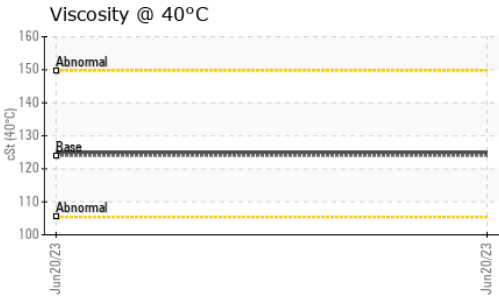
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history 1	history 2
Emulsified Water	scalar	Visual*	>0.1	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D7279(m)	124	125	---
Visc @ 100°C	cSt	ASTM D7279(m)	13.48	13.5	---
Viscosity Index (VI)	Scale	ASTM D2270*	104	103	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0073840
Lab Number : 02568748
Unique Number : 5605794
Test Package : MOB 2 (Additional Tests: i-pH, KV40, TAN Auto, TAN Man, VI)

Martin Energy Group Canada
 1050 Boyde Lane RR#1
 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.

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