

Machine Id
Smith Ridge 1
Component
Compressor
Fluid
CITGO PACEMAKER GAS ENGINE 1700 SERIES 40W (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0117267	PCA0117263	PCA0117196
Sample Date		Client Info		09 Jul 2024	04 Jun 2024	02 May 2024
Machine Age	hrs	Client Info		188161	187336	186556
Oil Age	hrs	Client Info		188161	187336	186556
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	4	5	2
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m		<1	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	2	<1
Lead	ppm	ASTM D5185m	>25	0	4	1
Copper	ppm	ASTM D5185m	>50	20	17	12
Tin	ppm	ASTM D5185m	>15	<1	2	1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

There is no indication of any contamination in the component.

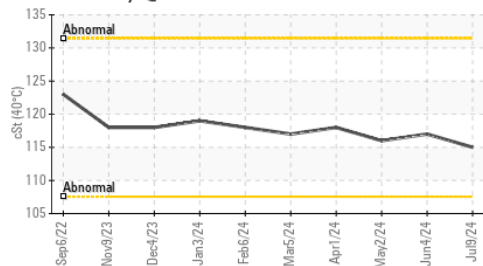
Silicon	ppm	ASTM D5185m	>25	2	3	2
Potassium	ppm	ASTM D5185m	>20	2	4	2
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

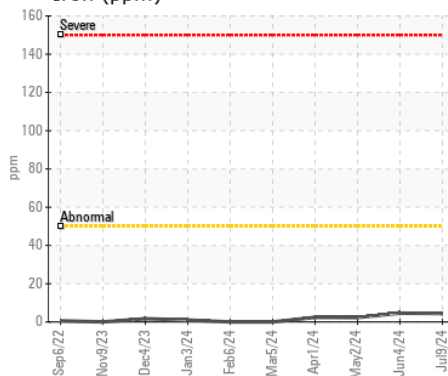
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		4	2	0
Boron	ppm	ASTM D5185m		1	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	4	2
Manganese	ppm	ASTM D5185m		1	2	<1
Magnesium	ppm	ASTM D5185m		13	13	11
Calcium	ppm	ASTM D5185m		1263	1288	1236
Phosphorus	ppm	ASTM D5185m		279	280	287
Zinc	ppm	ASTM D5185m		340	341	336
Sulfur	ppm	ASTM D5185m		2838	2792	2761
Acid Number (AN)	mg KOH/g	ASTM D8045		0.754	0.24	0.704
Visc @ 40°C	cSt	ASTM D445		115	117	116

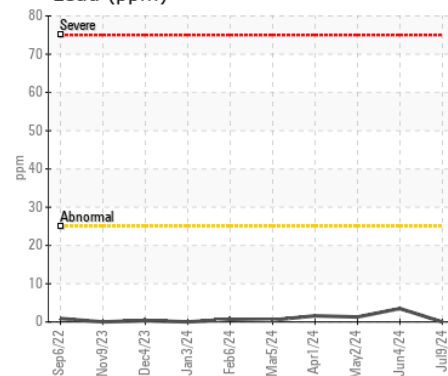
Viscosity @ 40°C



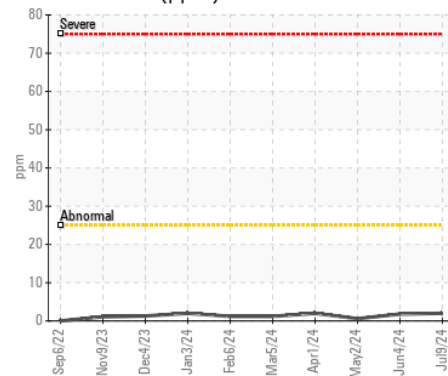
Iron (ppm)



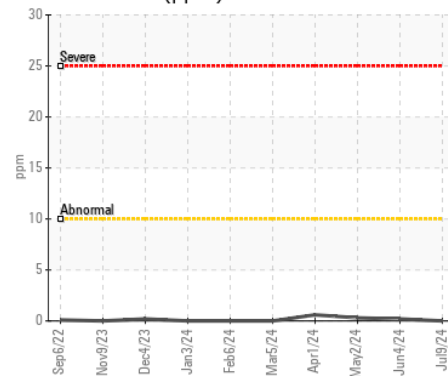
Lead (ppm)



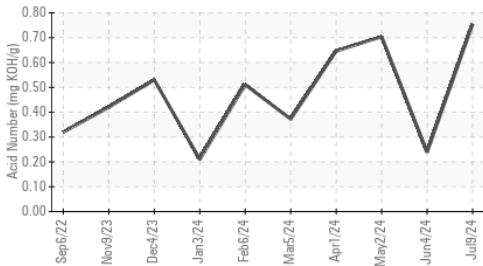
Aluminum (ppm)



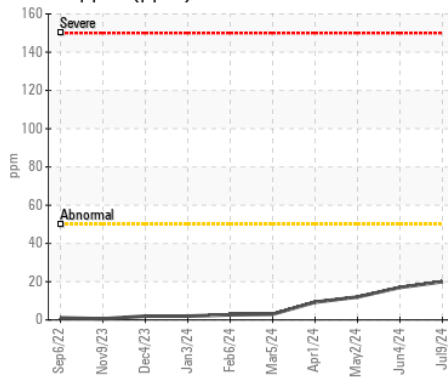
Chromium (ppm)



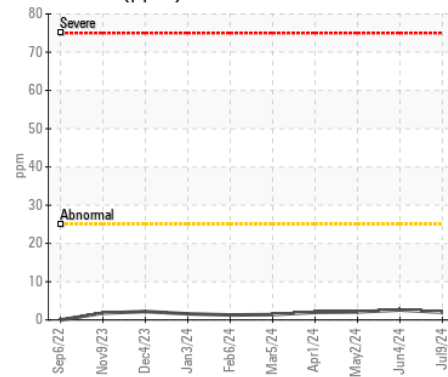
Acid Number



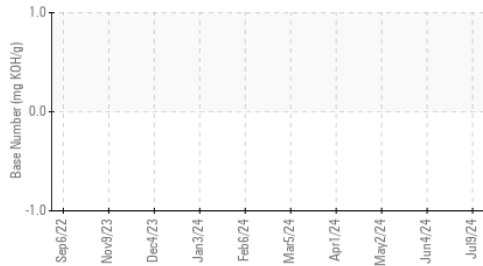
Copper (ppm)



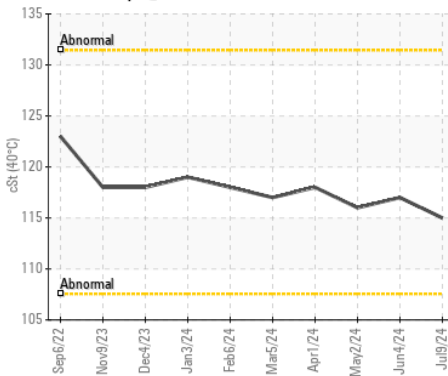
Silicon (ppm)



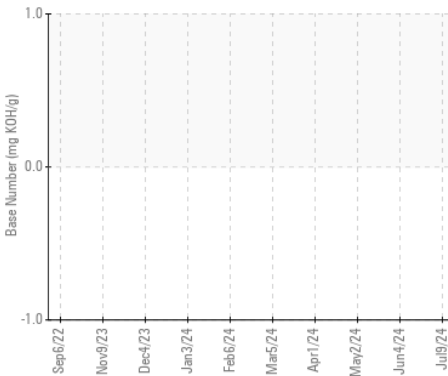
Base Number



Viscosity @ 40°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0117267
Lab Number : 06238508
Unique Number : 11127342
Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel, TBN)

ENERVEST OPERATING - SMITH RIDGE
 2305 SMITH RIDGE
 MCCLURE, VA
 US 24269
 Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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F: