

OIL ANALYSIS REPORT

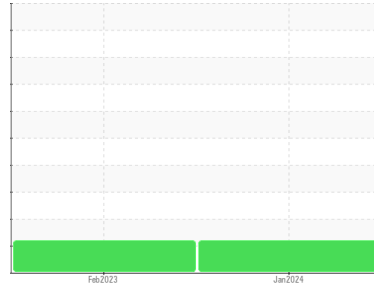
Sample Rating Trend

ISO



Machine Id
SEABOARD FOOD FINISH TANK - PETR CANADA AW 46

Component
New (Unused) Oil
Fluid
{not provided} (--- QTS)



DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. No evidence of water present in the oil.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA06069827	PCA0092226	---
Sample Date	Client Info		22 Jan 2024	08 Feb 2023	---
Machine Age	hrs	Client Info	0	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			ATTENTION	ABNORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method		NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >5	0	<1	---
Chromium	ppm	ASTM D5185m >5	0	0	---
Nickel	ppm	ASTM D5185m >5	0	0	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m >5	<1	0	---
Aluminum	ppm	ASTM D5185m >5	0	0	---
Lead	ppm	ASTM D5185m >5	0	0	---
Copper	ppm	ASTM D5185m >5	0	0	---
Tin	ppm	ASTM D5185m >5	<1	0	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	---
Barium	ppm	ASTM D5185m	0	0	---
Molybdenum	ppm	ASTM D5185m	0	0	---
Manganese	ppm	ASTM D5185m	<1	0	---
Magnesium	ppm	ASTM D5185m	2	3	---
Calcium	ppm	ASTM D5185m	55	43	---
Phosphorus	ppm	ASTM D5185m	356	305	---
Zinc	ppm	ASTM D5185m	459	377	---
Sulfur	ppm	ASTM D5185m	838	981	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<1	<1	---
Sodium	ppm	ASTM D5185m	<1	1	---
Potassium	ppm	ASTM D5185m >20	0	0	---

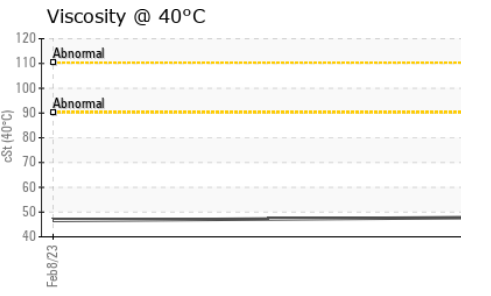
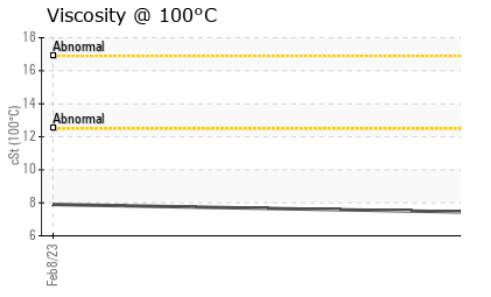
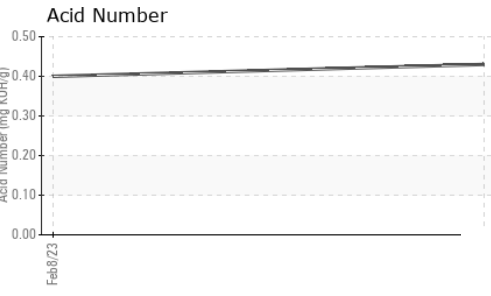
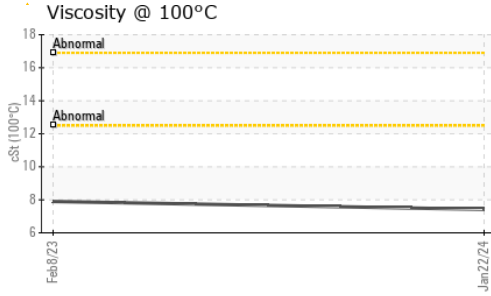
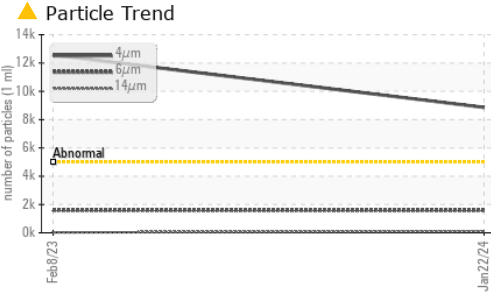
FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	▲ 8862	▲ 12565	---
Particles >6µm	ASTM D7647	>1300	▲ 1592	▲ 1600	---
Particles >14µm	ASTM D7647	>160	103	26	---
Particles >21µm	ASTM D7647	>40	28	4	---
Particles >38µm	ASTM D7647	>10	2	1	---
Particles >71µm	ASTM D7647	>3	0	0	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 20/18/14	▲ 21/18/12	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.43	0.40	---

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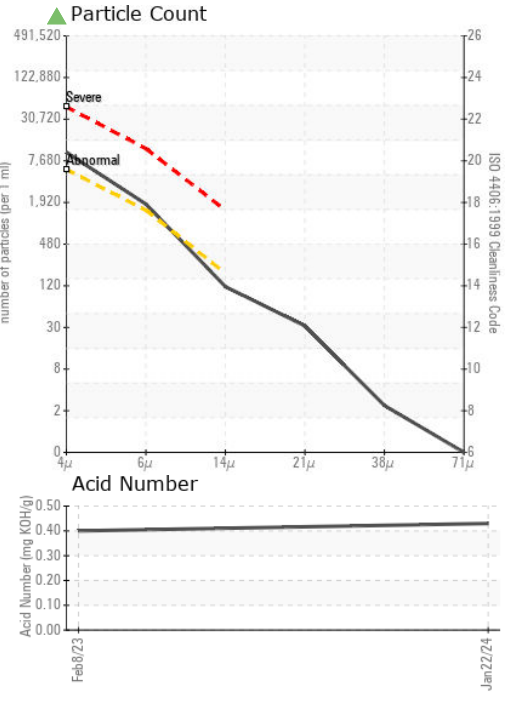
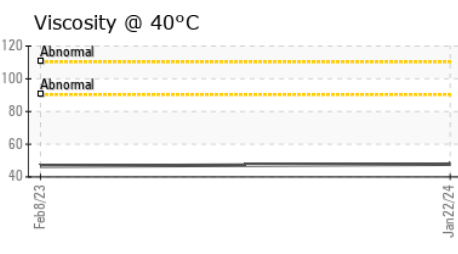
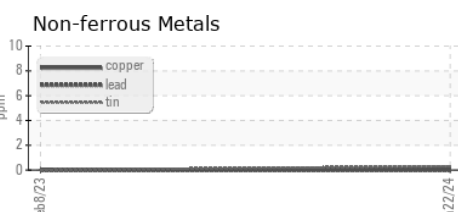


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	NEG	NEG	---
Free Water	scalar	*Visual	NEG	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	47.79	46.6	---
Visc @ 100°C	cSt	ASTM D445	7.42	7.9	---
Viscosity Index (VI)	Scale	ASTM D2270	117	140	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					no image
Bottom					no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA06069827 **Recieved** : 24 Jan 2024
Lab Number : 06069827 **Diagnosed** : 24 Jan 2024
Unique Number : 10846504 **Diagnostician** : Doug Bogart
Test Package : MOB 1 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, VI)

MOTION INDUSTRIES
 2123 WEST MARY ST
 GARDEN CITY, KS
 US 67846
 Contact: WES PARKER
 WES.PARKER@MOTION.COM
 T:
 F:

Certificate L2367
 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)