

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
4
 Component
Gasoline Engine
 Fluid
{not provided} (--- QTS)

DIAGNOSIS

Recommendation

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0057212	---	---
Sample Date	Client Info		07 Mar 2024	---	---
Machine Age	mls	Client Info	0	---	---
Oil Age	mls	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			NORMAL	---	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >150	0	---	---
Chromium	ppm	ASTM D5185m >20	<1	---	---
Nickel	ppm	ASTM D5185m >5	0	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m >2	0	---	---
Aluminum	ppm	ASTM D5185m >40	1	---	---
Lead	ppm	ASTM D5185m >50	0	---	---
Copper	ppm	ASTM D5185m >155	0	---	---
Tin	ppm	ASTM D5185m >10	0	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	191	---	---
Barium	ppm	ASTM D5185m	0	---	---
Molybdenum	ppm	ASTM D5185m	66	---	---
Manganese	ppm	ASTM D5185m	<1	---	---
Magnesium	ppm	ASTM D5185m	604	---	---
Calcium	ppm	ASTM D5185m	1180	---	---
Phosphorus	ppm	ASTM D5185m	710	---	---
Zinc	ppm	ASTM D5185m	824	---	---
Sulfur	ppm	ASTM D5185m	3304	---	---

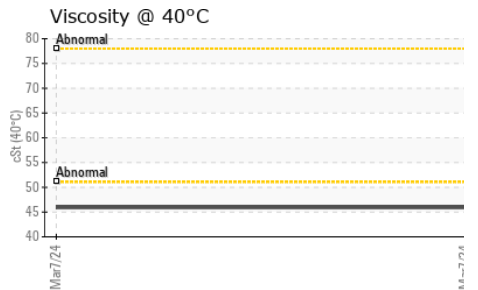
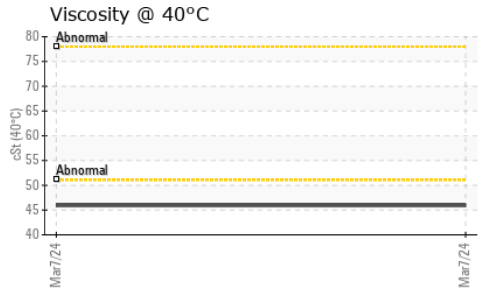
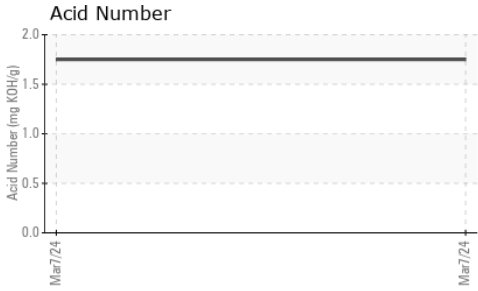
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >30	9	---	---
Sodium	ppm	ASTM D5185m >400	<1	---	---
Potassium	ppm	ASTM D5185m >20	<1	---	---
Fuel	%	ASTM D3524 >4.0	<1.0	---	---
Water	%	ASTM D6304 >0.2	NEG	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.75	---	---
Base Number (BN)	mg KOH/g	ASTM D2896	8.10	---	---

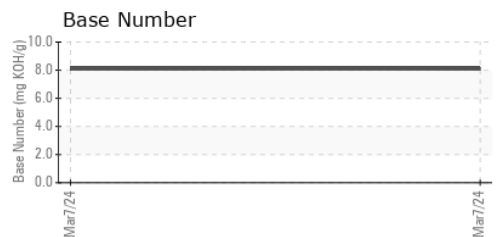
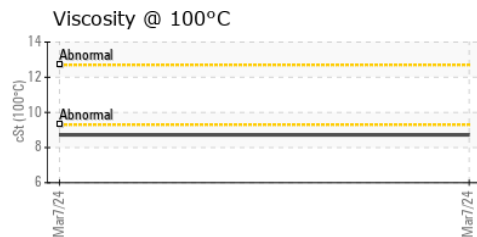
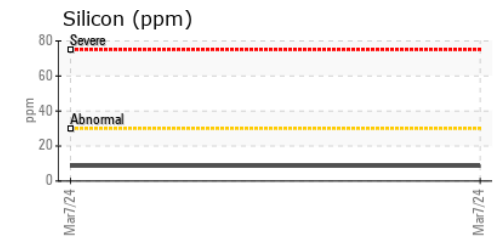
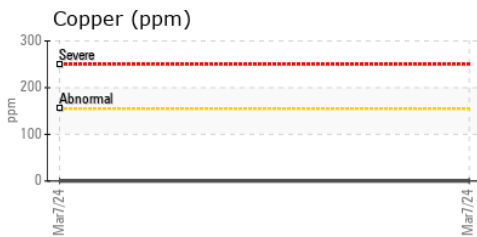
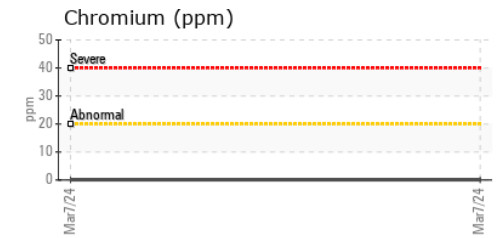
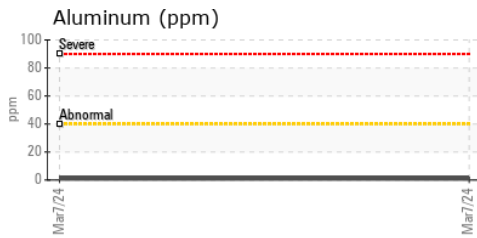
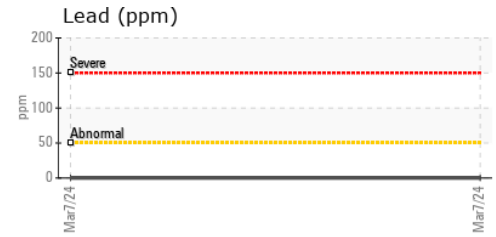
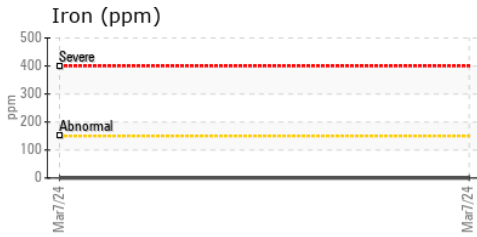
OIL ANALYSIS REPORT



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	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45.92	---	---
Visc @ 100°C	cSt	ASTM D445	8.72	---	---
Viscosity Index (VI)	Scale	ASTM D2270	171	---	---

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0057212
Lab Number : 06120451
Unique Number : 10929284
Test Package : MOB 2 (Additional Tests: FuelDilution, KF, KV40, PercentFuel, TBN, VI)

Received : 15 Mar 2024
Tested : 21 Mar 2024
Diagnosed : 21 Mar 2024 - Jonathan Hester

VALLEY PACIFIC PETROLEUM SERVICES
 152 FRANK WEST CIRCLE
 STOCKTON, CA
 US 95206
 Contact: OMAR VALVERDE
 omar.valverde@vpps.net

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)

T:
F: