



OIL ANALYSIS REPORT

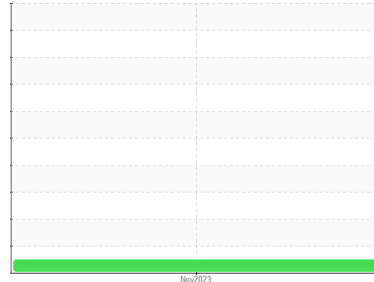
Sample Rating Trend

NORMAL



Machine Id
CITGARD 600 15W40 - OMNI SOURCE SMITHFIELD

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



DIAGNOSIS

Recommendation

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC05999477	---	---
Sample Date	Client Info			05 Nov 2023	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed	Client Info			N/A	---	---
Sample Status				NORMAL	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>5	0	---	---
Chromium	ppm	ASTM D5185m	>5	0	---	---
Nickel	ppm	ASTM D5185m	>5	0	---	---
Titanium	ppm	ASTM D5185m		3	---	---
Silver	ppm	ASTM D5185m	>5	0	---	---
Aluminum	ppm	ASTM D5185m	>5	<1	---	---
Lead	ppm	ASTM D5185m	>5	<1	---	---
Copper	ppm	ASTM D5185m	>5	0	---	---
Tin	ppm	ASTM D5185m	>5	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
Cadmium	ppm	ASTM D5185m		0	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		30	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		51	---	---
Manganese	ppm	ASTM D5185m		0	---	---
Magnesium	ppm	ASTM D5185m		364	---	---
Calcium	ppm	ASTM D5185m		1545	---	---
Phosphorus	ppm	ASTM D5185m		774	---	---
Zinc	ppm	ASTM D5185m		1132	---	---
Sulfur	ppm	ASTM D5185m		3129	---	---

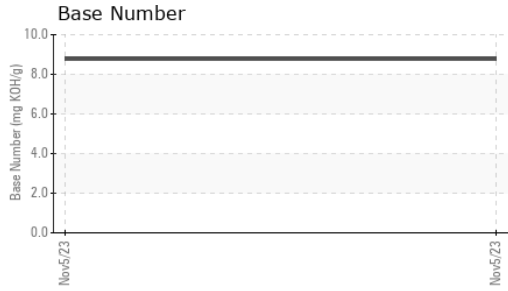
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	5	---	---
Sodium	ppm	ASTM D5185m		9	---	---
Potassium	ppm	ASTM D5185m	>20	3	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Base Number (BN)	mg KOH/g	ASTM D2896		8.77	---	---

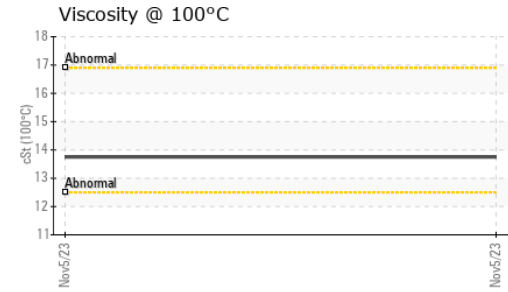
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE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



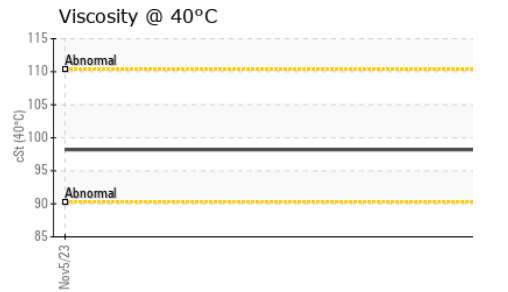
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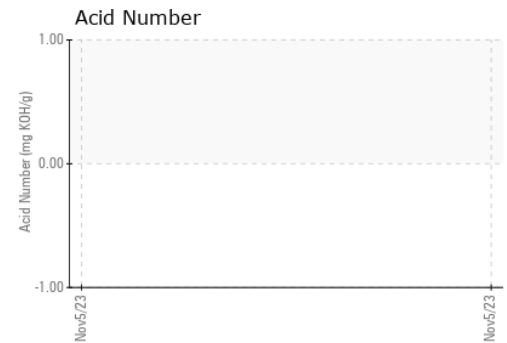
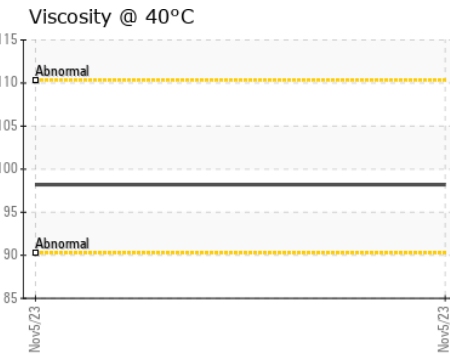
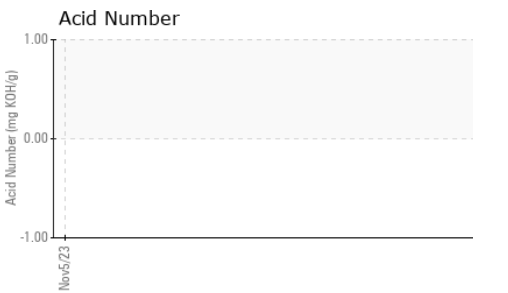
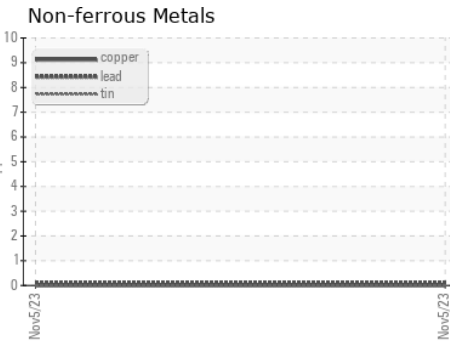
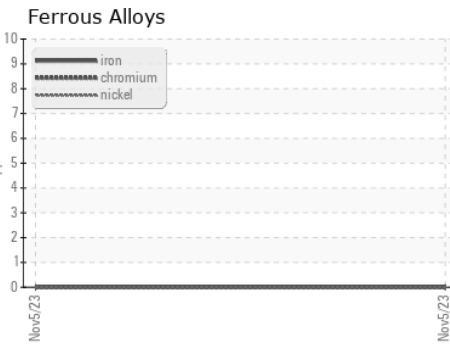
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	98.2	---	---
Visc @ 100°C	cSt	ASTM D445	13.75	---	---
Viscosity Index (VI)	Scale	ASTM D2270	141	---	---



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



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC05999477 **Received** : 06 Nov 2023
Lab Number : 05999477 **Diagnosed** : 13 Nov 2023
Unique Number : 10727837 **Diagnostician** : Doug Bogart

HUTCHENS PETROLEUM
 22 PERFORMANCE DR
 STUART, VA
 US 24171

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

Contact: Chuck Burch
chuck.burch@hutchenspetro.com

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

T: (800)537-7433

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

F: (276)694-3382