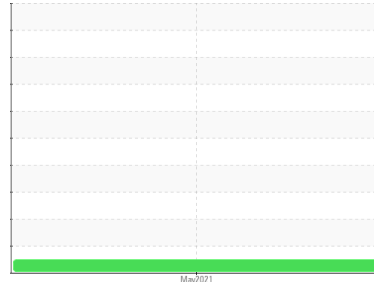


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
1 FRED MOODY - ROTELLA T3 15W40
 Component
New (Unused) Oil
 Fluid
SHELL ROTELLA T3 15W40 (--- 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			PCA0033150	---	---
Sample Date	Client Info			17 May 2021	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed	Client Info			N/A	---	---
Sample Status				NORMAL	---	---

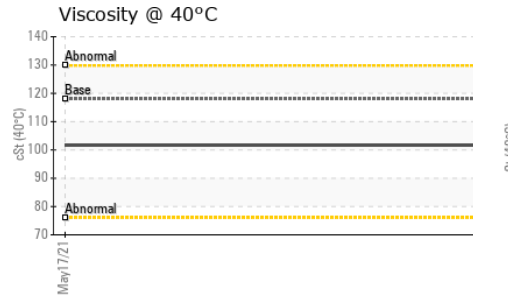
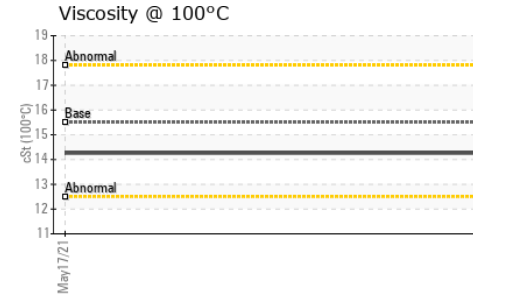
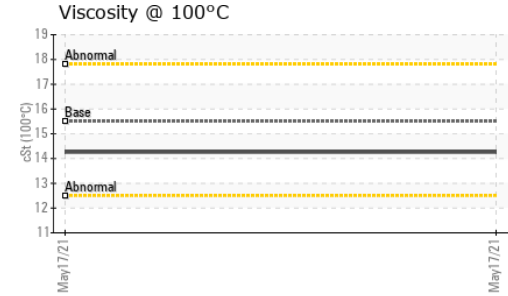
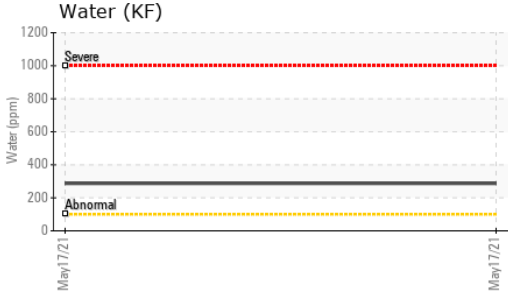
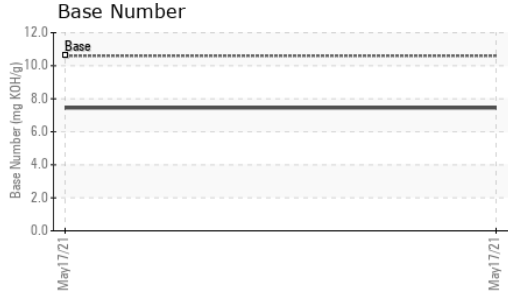
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		<1	---	---
Chromium	ppm	ASTM D5185m		0	---	---
Nickel	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		<1	---	---
Aluminum	ppm	ASTM D5185m		0	---	---
Lead	ppm	ASTM D5185m		0	---	---
Copper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

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	10	23	---	---
Barium	ppm	ASTM D5185m	0	0	---	---
Molybdenum	ppm	ASTM D5185m	10	15	---	---
Manganese	ppm	ASTM D5185m		0	---	---
Magnesium	ppm	ASTM D5185m	10	61	---	---
Calcium	ppm	ASTM D5185m	2600	2078	---	---
Phosphorus	ppm	ASTM D5185m	1050	859	---	---
Zinc	ppm	ASTM D5185m	1250	914	---	---
Sulfur	ppm	ASTM D5185m	3900	3076	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		4	---	---
Sodium	ppm	ASTM D5185m		3	---	---
Potassium	ppm	ASTM D5185m	>20	<1	---	---
Water	%	ASTM D6304		0.028	---	---
ppm Water	ppm	ASTM D6304		287.2	---	---


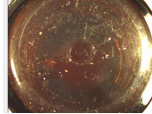
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.623	---	---
Base Number (BN)	mg KOH/g	ASTM D2896	10.6	7.45	---	---
i-pH	Scale 0-14	*ASTM D7946		7.70	---	---

OIL ANALYSIS REPORT

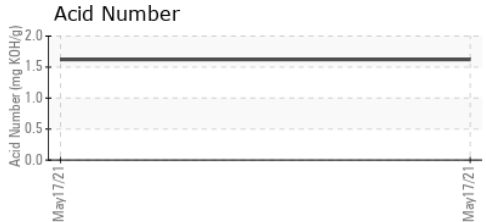
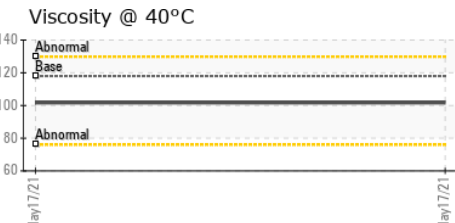
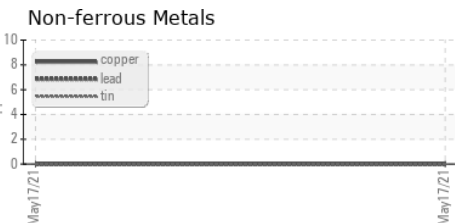


VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	118	101.7	---	---
Visc @ 100°C	cSt	ASTM D445	15.5	14.26	---	---
Viscosity Index (VI)	Scale	ASTM D2270	139	143	---	---

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. : PCA0033150 **Received** : 18 May 2021
Lab Number : 05257722 **Diagnosed** : 21 May 2021
Unique Number : 9511645 **Diagnostician** : Jonathan Hester
Test Package : MOB 2 (Additional Tests: FT-IR, i-pH, ICP-NewOil, KF, KV100, PrtCount, TBN, VQntact: KAITLYN SCHMIDT
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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