James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
FORD FORD F350
Component
New (Unused) Oil
Fluid
CHEVRON 15W40 (--- GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0218070	---	---
Sample Date		Client Info		20 May 2024	---	---
Machine Age	mls	Client Info		0	---	---
Oil Age	mls	Client Info		0	---	---
Filter Age	mls	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

Test	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m		2	---	---
Chromium	ppm	ASTM D5185m		<1	---	---
Nickel	ppm	ASTM D5185m		<1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		<1	---	---
Aluminum	ppm	ASTM D5185m		3	---	---
Lead	ppm	ASTM D5185m		<1	---	---
Copper	ppm	ASTM D5185m		<1	---	---
Tin	ppm	ASTM D5185m		<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

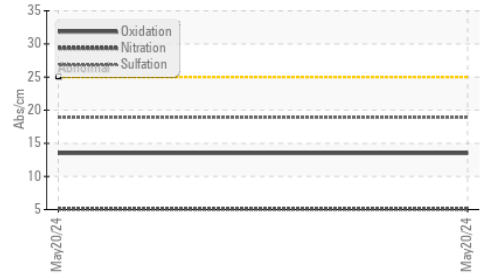
CONTAMINATION

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m		7	---	---
Potassium	ppm	ASTM D5185m	>20	1	---	---
Water		WC Method		NEG	---	---
Soot %	%	*ASTM D7844		0.1	---	---
Nitration	Abs/cm	*ASTM D7624		5.1	---	---
Sulfation	Abs/.1mm	*ASTM D7415		18.9	---	---
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	---	---

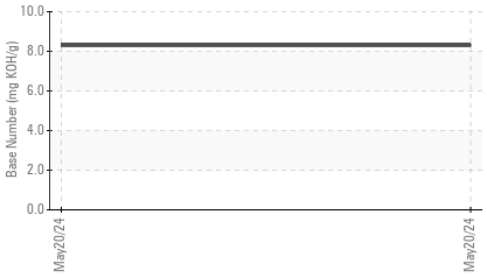
FLUID CONDITION

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m	>50	3	---	---
Boron	ppm	ASTM D5185m		358	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		87	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		468	---	---
Calcium	ppm	ASTM D5185m		1447	---	---
Phosphorus	ppm	ASTM D5185m		1011	---	---
Zinc	ppm	ASTM D5185m		1233	---	---
Sulfur	ppm	ASTM D5185m		3487	---	---
Oxidation	Abs/.1mm	*ASTM D7414		13.5	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		8.3	---	---
Visc @ 40°C	cSt	ASTM D445	119	107	---	---
Visc @ 100°C	cSt	ASTM D445	14.4	14.6	---	---
Viscosity Index (VI)	Scale	ASTM D2270		140	---	---

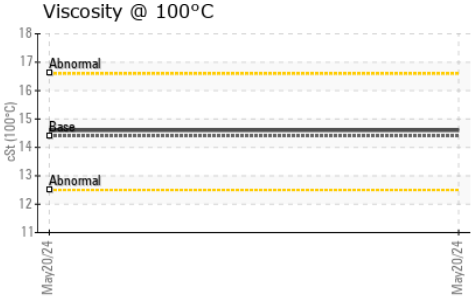
FT-IR (Direct Trend)



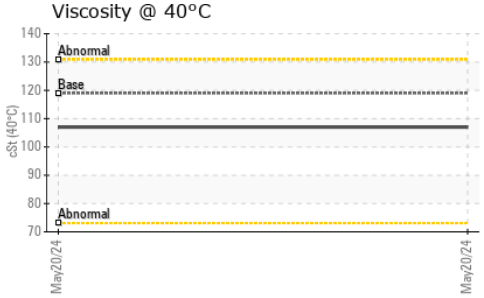
Base Number



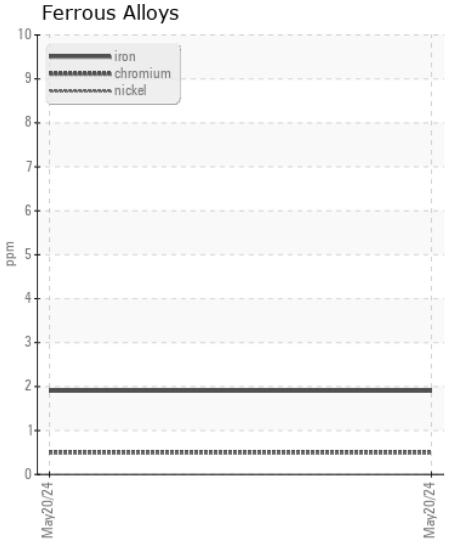
Viscosity @ 100°C



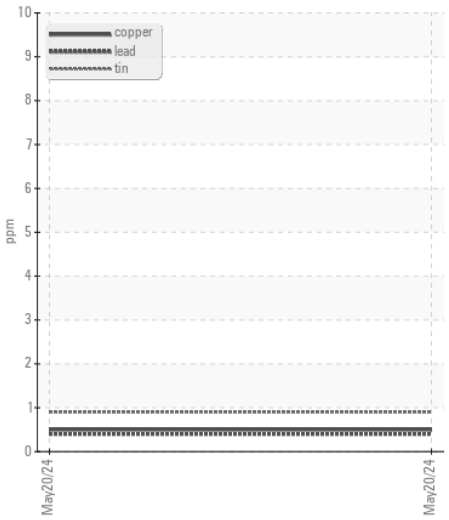
Viscosity @ 40°C



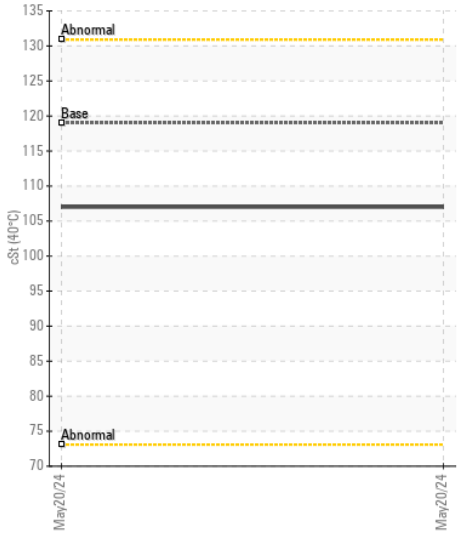
Ferrous Alloys



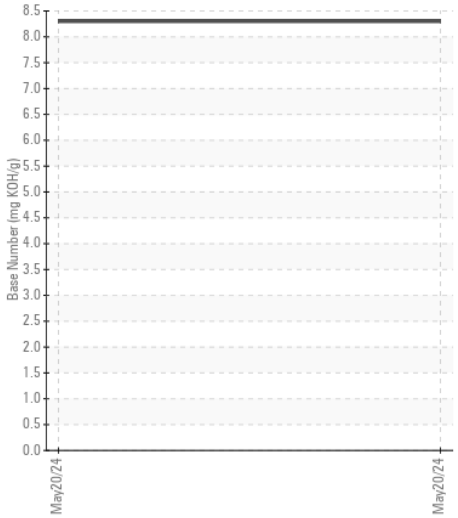
Non-ferrous Metals



Viscosity @ 40°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218070 **Received** : 23 May 2024
Lab Number : 06189949 **Tested** : 29 May 2024
Unique Number : 11046701 **Diagnosed** : 29 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: FT-IR, ICP-NewOil, KV100, PQ, TBN, VI)

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)

WILLIAM CURTIS
7324 RED FEATHER LN
SPOTSYLVANIA, VA
US 22551
Contact: WILLIAM CURTIS
wcurtis5705@gmail.com
T: (540)809-4969
F: